AUSTRALIAN

Free CD-ROM! Win a $4000 notebook PC

PC USER

MAY 1997
AUST $6.70 NZ $7.70 (incl. GST)

Australia's favourite PC magazine for the home and small office

The Small Office Productivity Kit

Top 40 easy business solutions

- Low-cost accounting
- PC price/performance test
- Information and contact managers
- Windows networking guide
- MS Office 97 upgrade tips

Games & education: We discover the next Doom, great music software and much more!

AUSTRALIAN PC USER OFFLINE

May 1997

Free! Info Central 7 full version – previously only available in Corel Office Professional, worth $500!

FREE! Trial accounting software worth $260!

Business productivity software
Working trial versions of M.Y.O.B. 6.0, Sybiz Vision Lite, Act! 3.0, WinFax Pro 7.5, Microsoft Project, Now Up-to-Date, Janna Contact, Pastel Partner & SOHO, Info Central 7 full version, electronic accounting manuals, and more.

Plus:

- **Playable game demos:** Cricket 97, POD, Tomb Raider, MDK, Outlaws, Shivers 2, NBA Jam Extreme, X-Car, Power F1, Comanche 3, Blood, Close Combat, Gex, Return of the Arcade.
- **Killer Web tools:** NetObjects Fusion 2.0 & GeoBoy trial versions, Netscape Communicator beta, latest Web browsers.
- **Music and education samplers:** The Cranberries, Microsoft Plus! for Kids, Auralia, Thinkin' Things 3.
- **Exclusive** multimedia tutorials
- **Latest shareware** for all tastes

See your newsagent for your free disc

* See page 3 of this month's PC User for more details.

9 313006 001416

WORK & PLAY

KTX MEGA MULTIMEDIA PACK 97

KTX Work & Play Pack 97

- CD-ROM Drive (choice of 8-speed and 12-speed)
- 16-bit Sound Card
- 30W Amplified Speakers
- Microsoft CD Titles

Works 4.0
3D Movie Maker
Cinemania 97
Encarta 97
Golf 3.0
Money 97
Scenes
Interactive CD Sampler 5.1

$355 ERP
8-Speed Pack

$405 ERP
12-Speed Pack

Also available:

Game Pad Pack

- Regular Work & Play Pack with:
- SideWinder Game Pad
- Microsoft Soccer

$415 ERP
8-Speed Pack

$465 ERP
12-Speed Pack

Joystick Pack

- Regular Work & Play Pack with:
- SideWinder 3D Pro Joystick
- Microsoft Deadly Tide

$455 ERP
8-Speed Pack

$505 ERP
12-Speed Pack

HEAD OFFICE: 60 O'Riordan Street, Alexandria. NSW. (02) 9353 9200 **SYDNEY:** (02) 9906 5550 **PARRAMATTA:** (02) 9890 2577
MELBOURNE: (03) 9416 0099 **ROWVILLE:** (03) 9755 5755 **BRISBANE:** (07) 3256 0688 **PERTH:** (09) 472 1877 **ADELAIDE:** (08) 8346 0599
NEWCASTLE: (049) 568 955 **TOWNSVILLE:** (077) 216 222 **TASMANIA:** (03) 6245 0888 **AUCKLAND:** (64 9) 358 1108
CHRISTCHURCH: (64 3) 366 5792 **WELLINGTON:** (64 4) 576 0311 **JOHANNESBURG:** (27 11) 805 6645 **CAPETOWN:** (27 21) 511 5032
DURBAN: (27 31) 579 1744 **LEBANON:** (961 1) 884 046 **DUBAI:** (971 4) 836 378 **TURKEY:** (90 212) 212 6122
SAUDI ARABIA: (966 1) 462 1323 **TORONTO:** (1 905) 948 000 **MONTREAL:** (1 514) 731 9400 **KUALA LUMPUR:** (60 3) 731 5069
PENANG: (60 4) 659 1099 **UK:** (44 181) 232 8811 **HONG KONG:** (852) 402 3239 **TAIWAN:** (886 2) 727 7735
WORLD WIDE WEB: http://www.edge.net.au

* All brandnames or trademarks are the property of their respective owners.
* Specifications subject to change without prior notice.

Distributed by EDGE COMPUTER

Quality System
Quality Endorsed Company
ISO9002 LIC7734 Standards Australia

"Now I can write 70 to 100 words per minute with my arms folded!"

It's a funny thing, but I'm standing here talking to my computer and the words are appearing on the screen - weird but WOW!

You've got to try this.

I am using **VoiceType* Dictation for Windows 95**** from IBM.

70 to 100wpm - I have trouble typing that fast with my fingers limbered up and my eyes glued to the screen!

VoiceType checks out your sentence structure and even differentiates between words like to, two and too.

IBM claim 90% accuracy straight out of the box and up to 95% once you've trained it. It even recognises many common accents and it has a very cool macro function. So you can teach it to write a whole paragraph just by saying a single command. If I say "two-timing sleeze-bag", it automatically writes a whole paragraph on my ex-boyfriend. Now that's really convenient!

I can talk directly into Microsoft Word, WordPerfect or Lotus Word Pro and later I can even play back the audio and tidy up the text.

There are heaps more features and everything you need is in the kit.

Don't pay ~~$999~~ for VoiceType 3.0 It's yours with either of these terrific products.

KTX 4800 SP Colour Scanner
+ IBM VoiceType 3.0
+ IBM Antivirus
+ IBM Jungle Book

ONLY $599 incl.

- 300x600 dpi Max interpolated 4800x4800 dpi
- Single Pass 24 bit flatbed scanner • PC or MAC (Voicetype for PC only)
- Scanning Speed 3.0 ms/line • Max. document size A4
- Imaging editing software for Windows • OCR software for Windows

KTX V.34 Voice Fax/Modem
+ IBM VoiceType 3.0
+ IBM Antivirus
+ IBM Jungle Book

ONLY $399 incl.

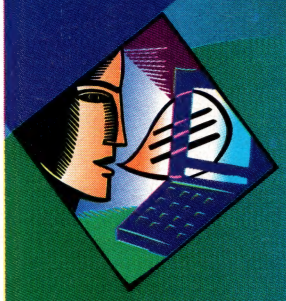
- Hayes AT compatible • Auto dial, auto answer • Voice capabilities
- 115, 200 bps DTE speed support • Call progress monitoring
- Rockwell Chipset • Bitfax & bitcom Comm Software

EDGE COMPUTER

SYDNEY: (02) 9906 5550
PARRAMATTA: (02) 9890 2577
MELBOURNE: (03) 9416 0099
ROWVILLE: (03) 9755 5755
BRISBANE: (07) 3256 0688
PERTH: (09) 478 2811
ADELAIDE: (08) 8346 0599
NEWCASTLE: (049) 568 955
TOWNSVILLE: (077) 216 222
TASMANIA: (03) 6245 0888
AUCKLAND: (64 9) 358 1108
CHRISTCHURCH: (64 3) 366 5792
WELLINGTON: (64 4) 576 0311
JOHANNESBURG: (27 11) 805 6645
CAPETOWN: (27 21) 511 5032
UK: (44 181) 232 8811
CALIFORNIA: (1 510) 6513 133
DURBAN: (27 31) 579 1744
LEBANON: (961 1) 884 046
DUBAI: (971 4) 836 378
TURKEY: (90 212) 212 6122
SAUDI ARABIA: (966 1) 432 1323
TORONTO: (1 905) 948 0000
MONTREAL: (1 514) 731 9400
VANCOUVER: (1601) 273 9888
KUALA LUMPUR: (60 3) 731 5069
PENANG: (60 4) 398 3798
JOHOR BAHRU: (601) 7777 0338
HONG KONG: (852) 402 3239
TAIWAN: (886 2) 727 7735

Dealer enquires welcome. http: //www.edge.net.au

IBM



VoiceType Dictation 3.0 for Windows 95

Ideal for :
Executives & PA's
Writers & Designers
Doctors & Lawyers
Students & Teachers

Will work on any PC or laptop with a Pentium 90MHz processor or higher, 256KB cache, KTX Sound Card, IBM Mwave Card or Soundblaster compatible. 38 MB hard disc space is required at all times.

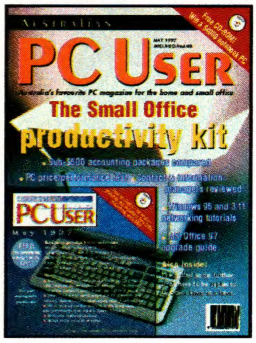
* VoiceType, OS/2 and MWAVE are trademarks of International Business Machines Corporation. **Windows is a trade mark of Microsoft Corporation. Other company, product and service names may be trademarks or service marks of others.

KTX

EAP-RP 3389

Contents

Volume 9 Number 5 May 1997



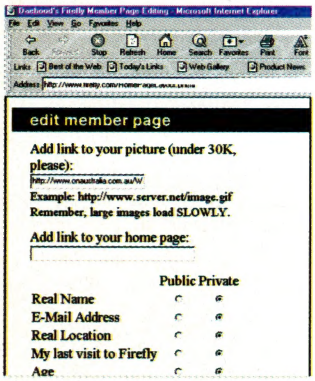
Cover image:
Austral International

Main cover stories:

5 low-cost accounting packages compared ___ *36*
9 contact and information managers reviewed ___ *30*
6 PC price/performance tests ___ *36*
3 networking guides: for Win 95, 3.11 and Windows for Workgroups ___ *72*
13 upgrade tips for MS Office 97 ___ *78*
4 D-I-Y application solutions ___ *82*

Other cover stories:

Meet MDK, the next Doom ___ *65*
Music software reviewed ___ *41*



Tailor content to suit your needs with customised Web pages. Page 92.

User to User

Mail ___ 6
Have your say *— and a chance at winning $100 worth of computer books or CD-ROMs.*
That's Debatable ___ 12
Make all software public domain! *Now that's debatable!*
Update ___ 14
All the latest *hardware, software and services.*
Loose Cannon ___ 128
Interrupt me, please! *Coming to terms with hardware conflicts.*

Buyer's Guide

The Small Business Buyer's Guide ___ 18
Accounting software: *We compare M.Y.O.B. Accounting 6.0, QuickBooks 4.0, Quicken 5.0 Deluxe, M.Y.O.B. First Accounts and Pastel SOHO.*
Contact managers: *ACT! 3.0, Janna Contact Personal 1.0, Now Up-to-Date 1.5, Lotus Organiser 97 and Microsoft Outlook 97 compared.*
Information and task managers: *We review Info Select 3.0, Info Central 7 and Microsoft Team Manager 97.*
Business PCs ___ 36
A guide for small business: *We find the best-value configuration for business desktop PCs, and provide other buying tips.*
Consumer Enquirer ___ 71
Junking spam e-mail: *How to stop junk e-mail flooding your inbox.*

The Games Guide

Games & leisure ___ 65
3D action special: *We compare MDK against current favourites and provide MDK survival hints.* ***Also reviewed:*** *The new adventure game Tomb Raider, car simulation POD and Cricket 97.* ***Sneak previews:*** *Ultima IX, LBA 2: Twinsen's Odyssey and Dark Reign.* ***Home & hobbies:*** *The Which? restaurant, accommodation and leisure guides.*

User's Guide

Operating systems ___ 72
Windows 95, Windows 3.11: *How to network your home and business PCs using Windows' built-in features.*
OS/2: *Warp 4.0 performance hints.*

SchoolPC Australia

Music reference — 41
Software: *Thirteen music reference titles and tutorials compared, including full reviews of the latest titles for all sorts of music tastes.*
Web sites: *Great music reference sites for students and teachers.*

Teacher review
Thinkin' Things 3 *put the test by year 3 teacher Gordon Scott.*

School buyer's guide
Notebook PC checklist: *How to buy smart for your school.*

Case studies
Canberra Grammar Junior and Canberra Grammar: *We sit in on a group of students who have chosen computers and music as an elective.*

Programming basics
First of a series on programming *for secondary students.*

Word processing tutorial
Formatting documents: *Turn plain text into something a little more stylish.*

Tutorial — 78
Office 97 upgrade guide: *We discover the new features, what to watch out for and how to get productive.*

Do-it-yourself — 82
Word processing: *Create your own menu to navigate your documents quickly.*
Spreadsheets: *Set up Excel's View Manager and Report functions to store multiple screen and printing options.*
Web Workshop: *How to use forms to receive information from users.*

Online — 92
Net Guide: *Determine what topics you want to read about with customised Web pages.*
Net sites: *MSN's new look, a hacker's site and more.*
Bulletin boards: *The BBS Registry, South Australian Country Club.*

Answers — 98
Having a computer-related problem? *Jan Wikström answers readers' questions and comments on readers' tips.*

Toolkit — 102
Shareware: *The best of the latest for Windows 95, 3.1 and DOS.*
Bug patrol: *The latest updates, work-arounds and tools.*

Exclusive Offers

Win a notebook PC!
Subscribe to *PC User* to be put into the draw to win a fantastic FIC DESIGNnote 4510 notebook, valued at $3999. Plus, you will also receive a bonus CD-ROM containing back issues, and gain exclusive access to a Web tech support site! See page 96.

Win $100 worth of books or CD-ROMs!
Just by sending us a letter! Any topic is welcome. See page 8.

Match & win!
See page 4 for your chance to win an 'Interstate 76 Pack' from Activision, featuring the hot new racing game.

AUSTRALIAN OFFLINE PC USER

What's on your free CD-ROM

General & business applications

Corel Info Central 7 — the full version! Previously part of Corel Office Professional, which retails for $500! See page 33 for review.

Sybiz Vision Lite: Windows accounting package for small to medium businesses (see ad on the back cover), this trial version is normally worth $250. It's fully working for one month.

M.Y.O.B. 6: The 'Test Drive' of this popular accounting package would normally cost you $10. See page 18 for our review.

ACT! 3.0: A working trial version of this contact manager reviewed on page 30. Version 2.0 for Win 3.1 is also included.

Microsoft Project: Time-limited working trial version of this Win 95 project management package.

Pastel SOHO and Partner: Working trial versions of these two small business accounting packages. See review on page 18. Knowledgebases of both packages included.

Janna Contact Personal 1.0: Time-limited working trial version of this Windows 95 contact manager, reviewed on page 30.

Now Up-to-Date 1.5: Time-limited working trial version of this contact manager, reviewed on page 31. Both Windows 95 and 3.1 versions supplied.

Shareware: As reviewed on page 102, we've included DeskNotes, Klik-N-View Business Cards, Smart Draw 3.0, Marcel Writing Tool, Weight Shedders, and The Recipe Processor for Windows.

Playable game demos

Sports sims: Cricket 97, NBA Jam Extreme.

Racing sims: POD, X-Car: Experimental Racing, Power F1.

Action: MDK, Blood, First Combat.

Adventure: Tomb Raider, Outlaws, Shivers 2: Harvest of Souls.

Arcade: Gex, Return of the Arcade.

Helicopter sim: Comanche 3.

PC User Plus card match and win!

PC User subscribers get a number of extra benefits (see page 96), plus our PC User Plus card — your passport to instant prizes. Each card has its own individual number. If yours matches one of those below, phone (02) 9288 9138 to claim your prize.

Thanks to Activision we have five **'Interstate 76 Packs'** up for grabs, containing the hot new racing car sim Interstate 76, a music compilation CD of '70s funk music, and an Interstate 76 keyring — valued at $120!

Winning numbers:
51145, 48745, 13205, 451, 3118, 95613, 15641, 1215, 68218, 78455, 45623, 2841

Note: Most of these playable demos will run on Windows 95 or DOS, or Win 95 only. Power F1 and X-Car are DOS-based only.

PC User Interactive

Multimedia tutorials: Watch and listen to Helen Bradley as she explains **how to create a menu in Word, a colour fader in Visual Basic** and **report on data in Excel** (page 82).

Internet tutorials: Web versions of the Net Guide on **personalised Web pages** (page 92), Web Workshop on **adding forms to your site** (page 82) and **Net Sites** (page 92).

Online tools

NetObjects Fusion 2.0: Find out what Web authors are raving about with this time-limited but working trial version.

GeoBoy: Traces traffic jams on the Net!

NS Providors for Netscape, Switchit for Microsoft Mail, Endora for Eurdora Lite: Shareware programs to consolidate multiple Internet accounts into one e-mail in-box.

Must-have Internet tools: The latest versions of **Microsoft Internet Explorer, Netscape Navigator, Eudora Lite, Shockwave, WinZip** and **Paint Shop Pro**, plus the beta of **Netscape Communicator**.

Education

Music software: Featuring demos of **The Cranberries Doors & Windows** (page 41), the **Auralia** music tutor (page 41), plus the shareware program **A Musical Tutorial** (page 41) and the January and February updates for **Music Central 97** (page 41).

Other samplers: A playable game from **Thinkin' Things 3** (see page 41) and the underwater desktop theme from **Microsoft Plus! for Kids** (page 41).

Utilities

Office 97 Upgrade Wizard: This freebie from Microsoft will get rid of unwanted files from earlier Office versions (page 78).

Shareware: As reviewed on page 102, **Drag and File Gold, Perfect Keyboard, Chgname, StepUp 96, PowerDream, CMFiler File Manager 6.05**, plus the latest versions of **McAfees Virus Scan** for Win 95 and **Thunderbyte** for Windows 95 and 3.1.

McAfees Virus Scan beta for Win 95: Will detect the MS Word e-mail virus (page 104).

Updates and support files

Microsoft Internet Explorer security updates for Windows 3.1 and 95 (page 104).

Windows 3.1 files: Word 97 for Windows file converter, QuickTime, Video for Windows, VB runtime files.

Windows 95 files: Service Pack 1, Kernel Update, OLE Update, PowerToys, DirectX 3.0, QuickTime, VB runtime files.

Windows NT 4.0: Service Pack 2.

Using PC User Offline

To make it easy for you to try the software on the CD, we've provided Shockwave-enabled Web pages that allow you to read about the programs then install or run them. We've provided the latest versions of Netscape Navigator, Microsoft Internet Explorer and the Shockwave plug-in — we recommend using IE 3 for Windows 3.1 or 95 because it allows programs to be run straight off the CD.

Run the version of IE pre-installed on the CD and only our icons will be installed on your hard disk. See the back of the CD-ROM cover for installation instructions.

Previous users of our CD: Because we changed our CD's front-end as from the March '97 edition, users who installed one of the previous CDs should run the Setup program again. This will create a new icon that will run our CD Web browser automatically, and which will work with future CDs.

Having trouble?

We are happy to provide written technical support for the software created by *Australian PC User*, but we cannot provide telephone support. *PC User* software includes the PC User Offline Web pages and Interactive tutorials. It does not include any third-party software on this disc, including Microsoft Internet Explorer.

If you need technical support for any of the third-party software you will need to contact the developer of that program. You'll find details either in the program's Help menu or Readme file.

If your disc is damaged, send the disc and a note with your name and postal address, to PC User Disc Exchange, GPO Box 4088, Sydney NSW 1028.

For technical support of *PC User* software, write to Philip Moore at the above address, e-mail him at pmoore@acp.com.au or send a fax to him on (02) 9267 4909. Please include full details about your system and any error messages you have encountered while running our disc, or we may have trouble helping you out!

About this software

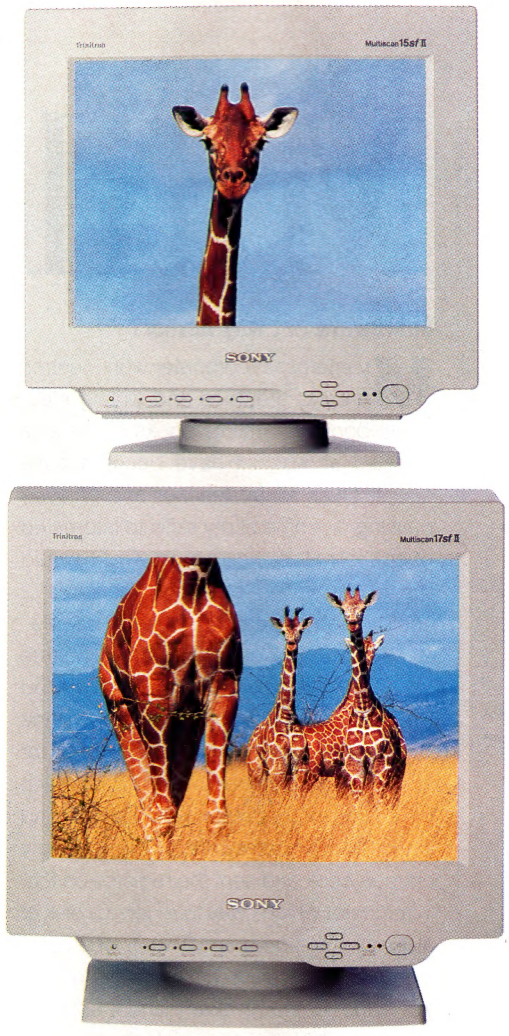
Please note that while some of this software is completely free, many programs are trial versions or shareware, both of which are designed for you to try for a limited time only. If you continue to use a shareware program, you are obliged to pay an additional registration fee to the author or official supplier. ❑

System requirements

The PC User Offline disc can be used with any PC that reads DOS-based CD-ROMs and is capable of running a Web browser that supports HTML version 3.2. However, we recommend use with Microsoft Internet Explorer 3 for Windows 3.1 or 95 with the Shockwave plug-in, which requires at least a 486 with 8Mb of RAM. The third-party software on the CD may have higher system requirements.

Disclaimer

We have tested this CD-ROM extensively and taken every care to scan for viruses. However, *Australian PC User* cannot guarantee that all the software on the CD will work on every PC. In particular, some games can be very finicky about what hardware they work with. Finally, we cannot be held responsible for any damage to your system caused directly or indirectly by any software on the PC User Offline disc.



For a better view of your world.

SONY TRINITRON: BRIGHTER. CLEARER. SHARPER.

DIGITAL MULTISCAN

Just one look will show you why Sony continues to command the premier position among monitors.

Available in 15, 17 and 20 inch display sizes, Sony's unique Trinitron system is unrivalled for sharpness, clarity and brightness. Now Sony's new technology provides a 30% flatter screen and more precise screen image. The result is clearly the best picture you've ever seen.

So when you're looking for a monitor for your home or office, treat your eyes to a Sony Trinitron.

You'll see that our reputation as the best is well deserved - and that the best is surprisingly affordable.

Call our Tollfree Hotline 008 226 429 and arrange a demonstration at your nearest Sony reseller.

Designed for Microsoft® Windows®95

Call Tollfree (008) 226 429 Sydney (02) 887 6667 Melbourne (03) 9264 0222

SONY
Journey through Innovation

CSALES-SO115A

AUSTRALIAN PC USER

VOLUME 9 NUMBER 5 MAY 1997

Editor Glenn Rees
Art Director Michèle Heibel
Technical Editor Jan Wikström
Sub Editor Fiona Tomarchio
Editorial Assistant Kathryn Hawkins
Hardware & Electronic Publishing Editor Philip Moore
Online Editor Rose Vines
Games Editor Julian Schoffel
School PC Editor Helen Dancer

Contributing writers

Samantha Amjadali, Angela Booth, Chris Bowes, Helen Bradley, Linda Bruce, David Flynn, Link Harris, John Hilvert, Nick Hough, Stephen O'Brien, Mark Rogers, Rob Rohrlach, Jon Simonds

Australian PC User is published on the second last Wednesday of every month by ACP Computer Publications, a division of ACP Publishing Pty Limited ACN 053 273 546

Group Publisher Tim Trumper
Managing Director Colin Morrison
National Advertising Manager
Tom Di Terlizzi (02) 9288 9144
Advertising Manager, New South Wales
Wade Gilmore (02) 9288 9146
Advertising New South Wales
Alison Watson (02) 9288 9149
Advertising Manager, Victoria
Julie Dominguez (03) 9823 6382
Advertising Queensland
Noel Fitzpatrick (07) 3252 8566
Advertising South Australia
Sandy Shaw (08) 8363 5100
Advertising Western Australia
Diane Slade (09) 481 4127
General Manager, Computer Publications
Mike Udabage (02) 9288 9155
ACP Computer Labs Consultants
Stuart Bowman, David Lin
Marketing Manager
Stephen Dolan (02) 9288 9164
Production Controller
Anne-Marie Smith (02) 9282 8337
Advertising Production
Debbie Eagar (02) 9282 8690
Showcase Classifieds Sales
Megan Gibson (02) 9282 8905

Sydney Office: 6th Floor, 54 Park Street Sydney NSW. Courier dock: 197 Elizabeth Street, Sydney 2000; telephone (02) 9288 9138; fax (02) 9267 4909. Melbourne Office: 102 Toorak Road, South Yarra 3141; telephone (03) 9823 6333; fax (03) 9820 1134. Subscription rates (surface mail) for one year (12 issues) $65, two years (24 issues) $119. Send a cheque to Reply Paid 764, ACP Subscriptions Services, GPO Box 5252, Sydney NSW 1028, Australia; fax your order on (02) 9267 4363 (24 hours a day); or phone 1800 252 515 or if in Sydney (02) 9260 0061. Printed by HANNANPRINT SYDNEY, 140 Bourke Road, Alexandria (02) 9693 0042. Material contained within *Australian PC User* is protected under the Commonwealth Copyright Act 1968. No material may be reproduced in part or in whole without written consent from the copyright holders. All rights reserved.
A note on published prices: Unless stated otherwise, all listed prices are recommended retail, and were correct, according to the supplier, at the time of going to press.

TO SUBSCRIBE TO *PC USER* TURN TO PAGE 96

Mail

Shareware . . . why bother?

My interest in computer work centres around graphics and writing electronic books — mainly books on various hobbies at which I have become quite adept. I was an art teacher and enjoyed passing on some of my skills to interested people. That is the reason why I would like to try writing electronic books — I could reach a greater number of people.

With the above in mind, when I came across a shareware program called Breeze for Windows, I thought I had hit the jackpot; a program written especially for writing electronic books, and it was written by a local programmer from Queensland University. I immediately got out my cheque book and sent the registration fee, in return for which I was to receive a disk of utilities for the program. This is where the matter ended. I have heard no more from the author of the program, and it appears that I have lost my money into the bargain. If the author of the program is no longer in business, his program should be taken off the shareware catalogues.

So much for trying to do the right thing. Is it any wonder that people do not register their shareware? My usual reason for not registering is because most of the programs that spark my interest are from overseas and it is too much of a hassle to send money unless one has a credit card.

I wrote to an American company several months ago to try and register a product called Writers Dream. They too have let me down — I couldn't even find them on the Internet.

In desperation, I tried MS PowerPoint against the advice of several experts who told me it was only for sideshows. However, I find it very easy to use — my text and graphics are very readable. What more is needed?

I don't know of any other programs for creating electronic books and I would be interested to know if anyone knows of one. I would even be prepared to stand in a queue at a bank or post office to get an International money order or whatever, even though I have an inborn abhorrence to queues.

W.E. Stewart
Waterford West, Qld

A sobering lesson to us all: always establish contact with a shareware author before sending money. But please don't give up trying to register shareware — there are plenty of fair dinkum authors out there who wouldn't be able to continue development without users' money! — Ed

TurboPublisher better than mentioned

I wish to comment on a review in your March '97 edition on page 41, 'Penny-pinching publishing'.

In the review of TurboPublisher 2.03a, you say that "there is also an autoflow feature which creates new frames and flows the text until it's all in, but the frames don't repeat the column width of the first frame — only full page-sized which can be reshaped by hand". Then on page 44 you mention the "flawed autoflow function".

I commenced using TurboPublisher more than 12 months ago and find it very useful for the small, mostly A5-sized books and newsletters (from A4 pages) that I produce for the local community. At first I

How to contact us

Postal: GPO Box 37, Sydney NSW 2001
Fax: (02) 9267 4909
CompuServe: 100033,3461
Internet e-mail: pcuser@acp.com.au
World Wide Web homepage:
http://www.pcuser.com.au
New and current subscription enquiries: Phone (02) 9260 0061 or 1800 252 515 (9am-5pm EST)
Other magazine business (including back orders for *PC User*): telephone (02) 9288 9138

CLARIS™

POINT

CLICK

DRAG

DROP

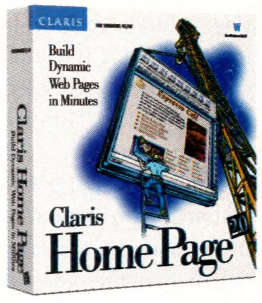
Congratulations! you've just created a dynamic web page

Claris Home Page can open your business to 50 million customers.

Because that's how many people there are out there on the internet, ready to find out about your company's products and services when you advertise them on your own web site.

If you thought web design was something for nerdy computer types, read on. Claris Home Page software is so easy to use, you can become a Web designer in the time it takes to read this ad. No need to learn any HTML programming code, Claris Home Page lets you point and click your way to building your own web page in much the same way you'd produce desktop publishing. No wonder it's fast becoming such a popular choice for small and large business alike.

For advanced users, Claris Home Page also includes useful features like frames, tables, libraries and the ability to edit HTML source code and create interactive sites using Java applets and form tools.



$119

NEW VERSION 2.0

FREE DEMO VERSION

By mail or download it now from our web site: http//www.claris.com.au

YES! Please send me more information and a free demo CD.
Mail this coupon to:
Claris International Inc.,
16 Rodborough Rd,
Frenchs Forest, NSW 2086
or fax it to: (02) 9975 6083.
Contact your local Claris dealer or Claris Upgrades direct on 1 800 028 316. $20 rebate available when you crossgrade from a qualifying web product[1] (conditions apply).

Title _____ First name _____ Surname _____
Company _____
Address _____
_____
_____ Postcode _____
Phone _____ Fax _____
Email _____

©1997 Claris Corporation. All rights reserved. Claris, and Home Page are trademarks of Claris Corporation. All other trademarks are the property of their respective holders. All prices subject to change without notice. [1]Available from authorised Claris Upgrade Centres.

CLHP/PCU4/97

Letter of the month: *A tale of two service responses*

Since buying your *1996 PC Starter Kit*, I have been buying *PC User* every month. After collecting all of the information from you that I could, I finally decided to take the plunge and buy myself a computer. I rang a lot of dealers and retailers and finally found what I thought was a good deal — an Intel Pentium 200, with 32Mb of RAM, a 2.1Gb HDD, 33.6Kbps modem, 17in monitor, and all the other fancy things considered necessary. I asked all the appropriate questions and got all the answers. I finally purchased my computer from Probe Technology in Brisbane in February.

I had plenty of applications to install, so naturally I sat in front of my 'new baby' all night setting everything up. I had installed Thunderbyte AntiVirus from your February CD and everything appeared okay, so I shut down my computer and bid it good night. When I woke up the following morning I just couldn't resist the temptation — I had to turn on my computer and have another look. So imagine my terror when a message appeared telling me that my Windows Registry was missing or corrupt. Not a good start to the day — but never fear, I was prompted to restore from a backup. So, with fingers crossed, I clicked Restore From Backup, only to be told "The Registry Backup is missing or corrupt . . . System Hung."

After reading the Windows 95 manual, I attempted to manually retrieve a backup of the user.dat and system.dat files, but no go. Frustrated and extremely upset, I disconnected all of the plugs and cables, put everything back in the boxes and took everything back to the dealer I purchased it from. Two days later I finally got my computer back and was told that a virus had corrupted my hard drive, which needed to be reformatted. As this was a software problem, not hardware, my warranty did not cover the repair. However, after explaining that I had installed Thunderbyte and being told that Thunderbyte only checks for viruses active in Windows 95 itself, the dealer decided to let me off, on the condition that I installed a better anti-virus program.

After shopping around for virus programs I decided on Leprechaun Virus Buster for Windows. I checked all of my software disks, found and removed the viruses, and reinstalled my software. Three days later, guess what? My computer refused to boot, even with a startup disk and Windows 95 emergency disk. So out came the boxes and back to the shop we went. The next day later I called to find out when I could collect my computer and was told that it was ready, but I would be charged because it was another virus. I didn't understand how that was possible again, as Virus Buster automatically checks for viruses every day, and I religiously checked all disks and rechecked the hard drive before shutting down my computer. Again, I was told that the anti-virus program I had installed only checked Windows 95 files for viruses.

I found this very hard to believe, so I rang Jim at Leprechaun Software to confirm what my dealer had told me. Not only did Jim confirm that Leprechaun Virus Buster checks the boot sector and all hard drives for viruses, not just Windows 95 files, he also told me that it was simply not possible for a virus to cause the problem I described. Jim told me that if my dealer had any questions about this, he was welcome to contact him and discuss it further. So I returned to my dealer to collect my computer, and after telling him all of this, he refused to call Jim, insisting that it was a virus. After arguing about being charged for the repair, I was told I didn't have to pay — it was fixed and I should just take it and go.

I went home, set everything back up and turned my computer back on only to find that my computer hadn't been fixed at all. I rang my dealer back and was told that it was no longer their problem. I asked for their ACN number and they hung up on me. I didn't know what else to do, so I rang Jim at Leprechaun Software yet again. Jim was a wonderful help and guided me step-by-step through the process of restoring the master boot record and getting my computer up and running again. Jim told me not to hesitate in contacting him again, and my computer has run like a charm ever since.

In summary, it is really great to see that there is at least one person out there who is not just after your money. Jim went completely out of his way to help me and far exceeded the promise of support on his software packaging. Thank you Jim, I would recommend Leprechaun to all!

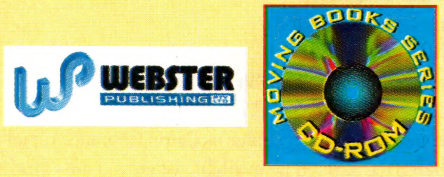
Joanne Hendriksen
Internet

Well done, Joanne (and Jim), what a story of contrasts! It really sums up the computer industry. Incidentally, Thunderbyte also does much more than "only checks for viruses active in Windows 95 itself", whatever that means (see our review of anti-virus programs on page 24 of the August '96 edition). — Ed

How to enter

Each month PC User *selects a letter of the month, with the winner choosing a prize worth $100 from Webster's great range of computer books and Moving Books series of CD-ROMs. Just send your letter of no more than 300 words to* PC User *(see 'How to contact us'), and please include your postal address and daytime telephone number.*

Entry is open to all residents of Australia other than employees of ACP Publishing or Webster Publishing. Entry for June '97 closes on May 2, 1997. The judges' decision is final. All entries become the property of ACP Publishing.



Artisoft®

Buy XtraMail and the chance to fly to the destination of your e-mail becomes possible...

Netscape® Mail Server $1675

Microsoft® Exchange Server $4260

Novell® Groupwise 5 $3200

Lotus® cc:Mail $7380

XtraMail® $399-599

That's how much eXtra you can save with XtraMail. (You see, the "e" in Artisoft's new e-mail solution means extra. In the competition, it means expensive.)

Now you can get an easy-to-use mail server for Windows® 95 or NT® and save hundreds (or even thousands) over the competition without sacrificing performance or major features.

XtraMail has the robustness and scalability to grow as your business grows (whether you have four employees or four hundred).

Get XtraMail, and make your money stretch as far as your mail. Call the number below for information on your nearest Artisoft Internet Reseller or visit *http://www.artisoft.com* .

Competitive Comparison (15-user configuration)

E-Mail Server Products Features	Artisoft XtraMail	Netscape® Mail Server	Microsoft® Exchange Server	Novell® Groupwise 5	Lotus® cc:Mail
Remote Msg. support	X	X	X	X	
Includes e-mail client software	X	X	X	X	X
Server runs on NT Server	X*	X	X		X
Server runs on Windows 95	X				
Price (Rec Retail)	$399	$1675	$4260	$3200	$7380

*XtraMail NT Server - $599 RRP

Call 1800 808 432 for more information.

To try before you buy, visit www.artisoft.com for a free, time-limited copy.

©1997 ARTISOFT, INC. All rights reserved. Artisoft is a registered trademark and XtraMail is a trademark of Artisoft, Inc. All other names are the property of their respective owners.

Subscriber winner!

Mr Pickett of Strathfield in NSW is the lucky subscriber to win the fabulous 120T Mini Tower Multimedia PC from Packard Bell, valued at $3195. The 86-year-old great-grandfather has been a devoted subscriber for three years and keen supporter since the launch of *PC User* back in 1989.

Mr Pickett was thrilled with the win and had to sit down when told the news. He claims that apart from winning his wife 61 years ago and a miniature TV, he hasn't had much luck. He assures us that he will certainly be checking his PC User Plus card number each month from now on.

A retiree, his interest in computers has grown over the years — beginning in 1927 when he made his first transistor. Mr Pickett said he likes to keep himself up-to-date and *PC User* has helped him stay informed: "it's my cup of tea — it's nuts and bolts!"

Mr Pickett (pictured centre) was presented with his prize by Terry Darke, manager for customer complaints and technical service, Packard Bell (right), and Glenn Rees, editor of *PC User* (left).

Corrections

The telephone number for the Primax EasyPhoto Reader and EasyPhoto Drive (March '97, page 53) is 1800 803 802.

The prices for Australian Infopedia 2.0 and World Book Encyclopedia (*SchoolPC*, April '97, page 6) are $99 and $79.95.

thought that the autoflow function was flawed, but it isn't.

On opening AutoPublisher the Startup Options window appears. In the Category box 'blank paged' is highlighted. I leave it as is and select Portrait or Landscape. For a small newsletter I use All Pages Alike and for more lengthy publications I use Left and Right. Then I de-select the Create Page frame and click OK.

Now I can go to the page menu and use Save As to give the setup a name — I use a5pages.dtp, so my setup page is always there when I go to DTP.

I then use Save As again and give the page a new filename which is my working file. Now I have a blank setup page for whenever I need it, and a copy of it is now my working file.

I import the text in the usual way to the first column, then select the second column and fill it with the named text from the contents box. I leave this frame selected and use autoflow to make additional pages and frames in the same manner as the first page. That's it. It works for columns in both Landscape and Portrait orientation. But you must deselect Create Page Frame in the Startup Options Box, otherwise TurboPublisher acts as you say.

I also find the booklet mode of printing great for books made up of continuous text or text in chapters. The pages come from the printer numbered correctly and collated, ready for photocopying or other means of reproduction. It's a great idea, so I presume other publisher programs use it.

Thank you for a very interesting and educational magazine. I tried several others but came back to *PC User* last year because the articles are written so ordinary users of computers can understand them. Some publications are way above my head, and other people have told me the same thing. Keep up the good work!

I like your small summaries printed in the left and right edges of the pages when reviewing products, too.

Eric Jamieson
Meningie, SA

FrontPage highly recommended

I also bought and installed Microsoft FrontPage and experienced none of the problems that Raymond Jones has written about (Letter of the month: FrontPage weaker than review, April '97, page 8).

The FP Server Extensions are not needed for most of the WebBots after the item is created. Using bots like the Include, TOC and Timestamp bots, FP creates a standard HTML page which can then be copied to any server and will operate without the FP Server Extensions. The server extensions are really only required for interactive forms and the Search Engine, which are probably beyond the scope of most beginners and only necessary on more professional sites anyway.

If forms and search engines are required, most ISPs who provide homepages for their subscribers without FP extensions will also supply the necessary CGI scripts to allow interactivity.

Installation is covered quite comprehensively by the Getting Started manual and this also explains the use of the personal Web server. There is also a fair amount of useful information in the file fpreadme.txt. The Web server runs automatically when you complete the installation. I had no problems with this at all. Perhaps Mr Jones didn't take the time to read the manual?

The beauty of FP is that a 'beginner' can create not only pages but a whole Web site without any knowledge of HTML, yet a more advanced user can achieve far more using the same program. I would recommend FP to anyone but I would also recommend that they research it before installation — as they should with anything they put on their PC!

Howard Marsh
Internet

Give Windows 95 another try

I have just read the letter from C. Bryan of Sale, Vic (Win 95 not for every PC, April '97, page 6) and I had similar problems when installing Windows 95 back in August '95.

I have a trident 9440 VLB card on my system and have no difficulty with it at all. I do not install DOS first as I have a boot disk loaded with my CD-ROM drivers and this is sufficient for me to be able to load Windows 95 from the CD (my Win 95 CD is an upgrade). I even recently downloaded a new driver for my video card from www.tridentmicro.com (version 4.02.12) and it causes no GPFs (General Protection Faults) on the machine.

I would recommend that C. Bryan try loading Windows 95 again as I think it is an easier operating system to use than 3.11.

Lastly, try installing all of the updates from Microsoft, as well as the service pack — maybe that will help.

G. Daws
Penrith, NSW

Introducing the multi-talented Multi-Function Centre™

It's seven machines in one. Fax, Copier, Scanner, PC Fax, Digital Answering Machine, Telephone and Laser Printer - featuring Brother's famous 'glitch free' straight paper path design. Simultaneous Operation also allows you to do two things at once. Like print and fax, scan and print or print and copy. The Multi-Function Centre™ from Brother, at $1,799* it's a hard act to follow.

CELEBRATING 20 YEARS DOWN UNDER

For your nearest retailer, contact Brother now on NSW: (02) 9887 4344 VIC: (03) 9899 4844 QLD: (07) 3252 5257 SA: (08) 8272 1300 WA: (09) 478 1955.

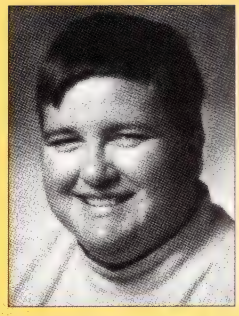
*Recommended Retail Price

Hertz Walpole BRO 0221

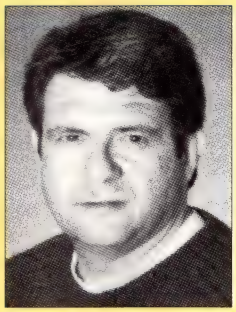
brother®

LIKE NO OTHER

That's Debatable: There's no place for software copyright



Is it necessary to copyright software? Rose Vines and John Hilvert debate.



JH: I still find it hard to deal with the idea that PC DOS 1.0, which came out in 1981, will be copyright until 50 years after the expiration of the calendar year in which the author of the work died.

Given that DOS 1.0 is generally incapable of being run anywhere a mere 15 years later, what's the point of this lengthy protection?

Likewise, can anyone imagine running Windows 3.1 in the year 2040?

What it does do is put a big wall around that code, which will never be used, except to prevent others building on it.

More generally, I wonder whether we really do give people an incentive to produce software with these protections. A lot of the software produced for the Internet, such as Unix, TCP/IP and many utilities, has been put in the public domain.

Would we have had an Internet that is driving so much of the innovation and agenda today if Microsoft, Netscape or IBM had copyright over it?

RV: You're right, John: one of the shining points in the computer industry is the existence of public domain code, and the resulting standardisation that has occurred around that code.

But, come on! Are you asking companies that pour hundreds of millions into software development to release their products into a market with no copyright? Do you really think this would promote software development?

I agree that the 50-year law does seem excessive. And yet, you hint at the very reason why there is copyright protection for a lengthy period after all. The actual product that's protected (DOS 1.0, for instance) may not stay in use, but sections of the code may well provide the building blocks or at least the conceptual framework for future development by the copyright holder. We still have a DOS kernel lurking in Windows 95, after all (as its detractors keep reminding us).

I've noticed that many of the companies donate the code to the public domain after a period anyway. In a perfect world not run by the holy dollar, I think your ideas might fly, John. But remove copyright protection tomorrow and I think most of what we'd see from then on would be hobbyist code.

JH: I just wonder whether the commercialisation of software development makes sense as a business model any more?

We always get bugs. We have to wait for the developer to issue a patch or three. We get less support than ever before.

Piracy is rife in many countries, including Australia and South East Asia. Corporate and government agencies pay because they are high profile. But for the rest of us it is almost discretionary.

Only very recently have China and Russia agreed to observe the Berne Convention on Copyright, for example. The dominance of the US software industry means that these countries will confront mass deficits if they faithfully implement copyright.

On the other hand, with a free software system where source code is frequently offered — as we had with a lot of the software on the Internet — everyone gets something. Bugs can be fixed. People can understand and fix their own programs.

The result is the software is more useful, more robust and frequently more useable.

I agree software should receive some protection, but copyright seems wrong given software's short lifespan. Far better might have been a patent which is really more attuned to what software is actually bought for.

What gets me is that software companies are seeking patents for their technology as well!

RV: In ideological terms, I agree with you John. But unless we take to dismantling capitalism, I think it's an impractical vision.

You sound like you're talking about a software audience composed entirely of people who tinker with code themselves.

I think there's room for both approaches to software development. The public domain has its advantages in shared code; a huge pool of people contributing to development, even if in an adhoc manner.

Commercial software has the edge in scope, responsiveness to the average user's needs, standardisation through broad adoption, and paid support which a customer has a right to demand.

We're fortunate that, right now, we have both systems operating and giving us the choice.

JH: It is capitalism in the information age that is actually creating this tension.

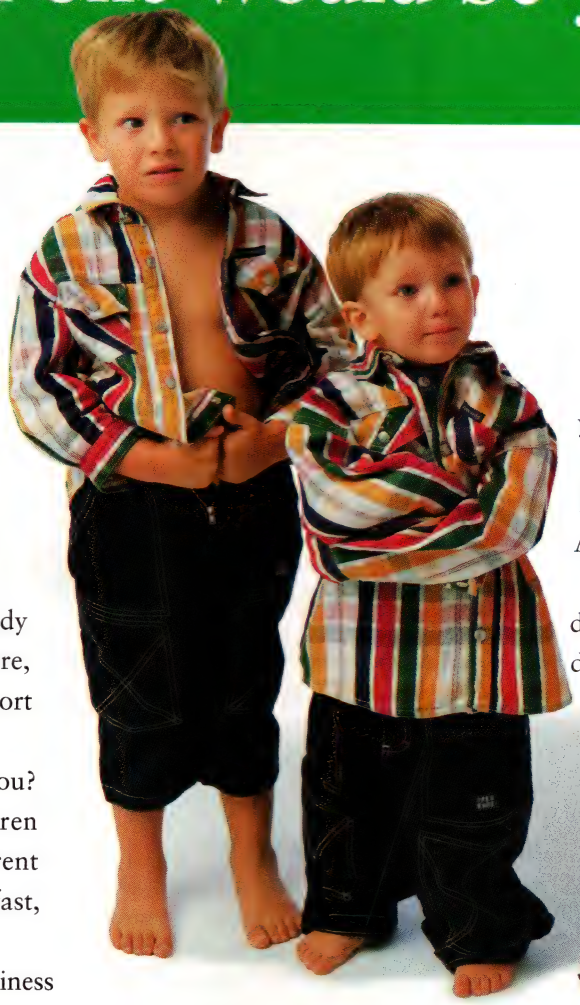
Copyright was created mainly so that the publishers of works had an incentive to invest in printing presses and published the work of an author. This covered packaging distribution and promotion. With software we used to kid ourselves that we got technical support thrown in for free. That doesn't happen any more.

What we are getting now is not even shrink-wrap or manuals. We are just getting downloadable code which may or may not work right.

RV: I can't see, say, Microsoft's Office products development happening without some sort of copyright protection.

On the other hand, some detractors of the latest large, complex products might say "Good riddance!". But I still believe it's those sort of companies that are putting computers in the hands of more and more people, because they spend money on making software more useable.

If these 3-year olds were a business, which one would be yours?



There you are plotting steady growth for your burgeoning empire, when, unexpectedly, sales run hot.

Insufficient stock to meet demand. Sound like you?

Or, there you are plotting steady growth for your burgeoning empire, when, unexpectedly, sales fall short of forecast and you're caught.

Cash-flow crisis. Sound like you?

Like three-year old children businesses can grow at different rates, at different times. Some fast, some slow.

Which is why the smart business learns to rely on a programme designed to protect against costly surprises.

It's called QuickBooks.

No other financial software puts you on top of managing your business quicker or easier than QuickBooks from the makers of Quicken.

Easy to use and simple to understand, QuickBooks is written in plain english. And, unlike other software packages, you don't have to be a computer whiz or an accountant to work it out.

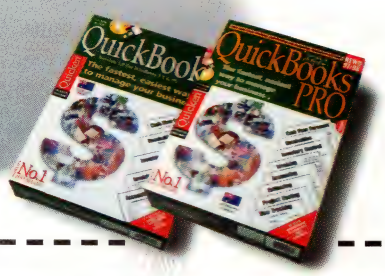
QuickBooks will guide you on how to budget correctly. How to accurately forecast cash flow. You'll be shown how to control inventory, cost projects and their profitability and, importantly, how to track and manage your time.

You'll even learn how to provide for provisional tax.

Available with a 30 day unconditional money-back guarantee from Officeworks, Dick Smith Electronics, David Jones (selected stores), Harvey Norman, Vox, Software Express, The Software Shop, Games Wizards, Radio Rentals (SA), Software Warehouse, Major Software House and other leading software retailers.

So whatever it is you want from your business, QuickBooks gives you every chance to make it happen. (Just ask 35,500 happy Australian businesses).

Send off the coupon below to discover a software programme designed to keep pace with your growth. No matter how small you think your business may be.



Keep Your Dream Alive QuickBooks 5.0

Help me make my business fit and send me a FREE QuickBooks 5.0 information pack by: (tick one box)

❑ mail ❑ fax ❑ or e-mail

Name _____

Address _____

_____

_____ Postcode _____

Phone ( ) _____

Fax ( ) _____

e-mail _____

For further information, please return this coupon to

Intuit Australia PO Box 313 Camperdown NSW 2050

Fax (02) 9562 7934 Call 1800 674 888

or e-mail customer.service@reckon.com.au

TP-FO4/QB/PCU5

What's new

Systems

Combined drive

Digital Equipment Corporation's latest HiNote VP 500 range of notebooks has the industry's first removable CD-ROM/diskette combination drive. This drive lets users access the floppy disk drive and CD-ROM simultaneously. In addition, the notebooks include a 12.1in display as standard. The new HiNote VP 500 notebooks also include a minimum 16Mb of system memory, expandable up to 80Mb. Retail prices will range from $4770 to $8330.
Digital PC Action Line 13 23 93

Multifunctional notebook

Fujitsu has turned its technology and marketing clout to the notebook market with the launch of its LifeBook PC into the Australian market. Across the range, LifeBook offers a wide choice of Intel Pentium-based options to cater for a balance of power and price (LifeBook 520T), multifunctional flexibility (LifeBook 530T), high performance (LifeBook 555T) and portability (LifeBook 635T). Prices range from $5066 to $7814.
Fujitsu (02) 9887 9222

HP uses MMX

Hewlett-Packard Australia's new Pavilion PC models incorporate Intel's Pentium MMX technology. The new processors give smoother, more realistic video, higher quality graphics and images, CD-quality audio and rich Internet content. Hewlett-Packard has also pre-loaded the latest in imaging software, including titles optimised for MMX technology, such as Adobe PhotoDeluxe, so consumers can experience the benefits of MMX straight out of the box. Recommended retail prices start from $4199, including a 14in monitor.
HP Information Line 13 13 47

Peripherals

Swappable PC Cards

Sharing PC Cards between notebook and desktop PC is now possible with Eiger's two-slot PCMCIA ISA Adaptor which gives the same flexibility to desktops that notebooks have. The $250 drive bay holding the two front-mounted PCMCIA sockets mounts in a standard 3.5in bay opening and allows hot plugging for data and fax-modems, interface adaptors, audio cards, network adaptors, disk drives, solid state files and all types of memory cards to a PC.
Eiger Labs Inc (02) 9362 0211

Keyboard with touchpad

The new Input Centre, a multifunctional keyboard from Cirque, features four tools, saving both desk space and money. Cirque says the $199 device does away with the need for mouse cords and pads. The user can switch from touchpad to pen input. In the pen mode, faxes can be signed, sketches drawn or documents personalised with no need for hard copy output.
Carnivall Distribution 1800 142 328

Best hardware award

Protac International Computers new rewritable compact disc and drive, the CD-RW, won the best hardware product award at the PC 97 Sydney Computer Show. Made by Ricoh, the CD-RW can overwrite data more than 1000 times.
Protac (02) 9637 8999

Buy your own writeable CDs

With the advent of low-cost compact disc writers, it is now possible for small businesses and even home users to take advantage of the benefits of Kodak Infoguard discs. Kodak has developed a retail writeable CD, now available for about $14.
Kodak 1300 6563

Cirques's Input Centre is a multifunctional keyboard containing four tools.

Colour scanner

Primax Electronics Ltd's PagePartner colour sheetfed scanner connects directly to a parallel port and is aimed at users who want to scan single or multiple page documents quickly and easily. The $299 PagePartner is bundled with five image management software packages. These include SoftFile desktop manager, which lets users electronically store, edit and reorganise their scanned documents, and TaskBridge, an automatic detection and routing program which makes it easy for users to scan documents directly into any other application on their system. Another package, MGI PhotoSuite, an image editing application, lets users manipulate scanned photo images.
BBF Components and Peripherals 1800 803 802

Economical inkjet printer

Lexmark's new dual-cartridge, smart-featured inkjet printer, priced at $399, is automatically activated and operated entirely through a Windows graphical user interface. The Lexmark 2030 Colour Jetprinter (CJ2030), with dual cartridges, save money over the entire life of the printer because they don't have to mix colours to print process black, dramatically reducing ink useage. The Lexmark CJ2030 prints in black and colour up to 600 by 300dpi and works with Windows 3.1, 3.11 or 95. It prints up to three pages a minute in draft black and up to one page a minute in colour.
Lexmark Australia (02) 9930 3691

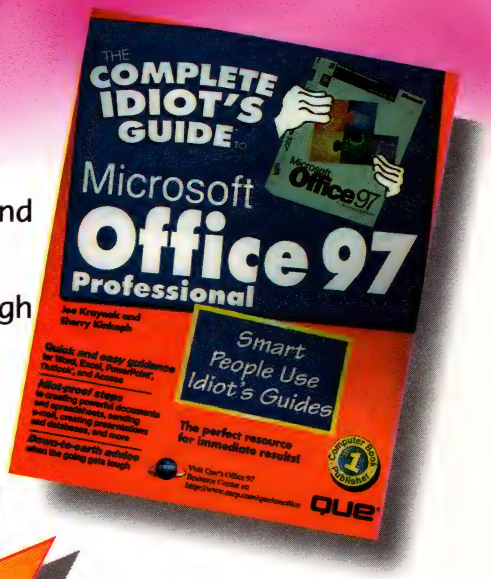
The Complete Cure for your Computer Problems

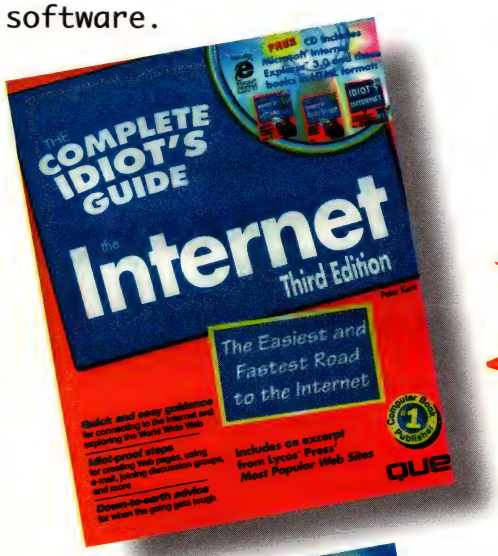
Complete Idiot's Guides

From QUE®

THE COMPLETE IDIOT'S GUIDE

series is for smart people who need a little computer help. With simple steps, a friendly, easy-to-understand approach, and liberal doses of humour, the Complete Idiot's series of computer books will guide you through all the latest in computer technology and software.

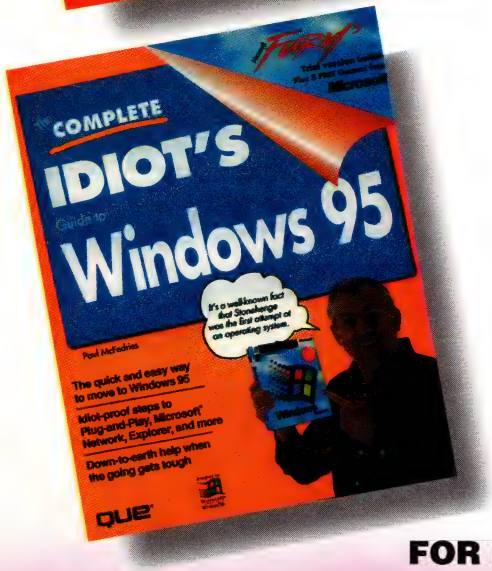


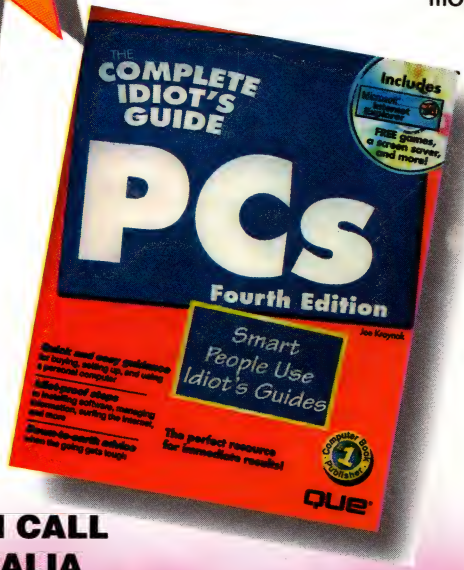


Only $29.95

THE COMPLETE IDIOT'S GUIDE

titles include: PCs, Windows 95, Internet, Office 97, Word, Java, Excel, HTML and lots more!!





Available where all good computer books are sold

FOR MORE INFORMATION CALL PRENTICE HALL AUSTRALIA ON TEL: (02) 9939 1333 OR FAX: (02) 9905 7934

Media Synergy's @loha adds animation, sound, pictures and effects to e-mail messages.

Communications

NetComm business solutions

NetComm has showcased some of its new product portfolio, with communication solutions for businesses of all sizes, as well as domestic and recreational users. These include the Roadster Ultra SVD, a modem with simultaneous voice and data capabilities, hands-free speakerphone, videoconferencing, answering machine, fax switching and the ability to send and receive data at transfer speeds up to 33.6Kbps. Other products are the voice capable Memory Modem, which can deal with business communications even when a PC is turned off, the CardModem GSM which extends the remote working environment for GSM mobile phone users and the CardModem 336 plus Ethernet which delivers simultaneous high-quality LAN connection and modem use from a single card slot.
NetComm (02) 9888 5533

Server printer

AC&P has released an optimised, low-cost, single protocol, PocketPrintServer solution for TCP/IP and Windows NT environments, that can be connected anywhere on a network. The new product improves printing performance and productivity, and saves money because it replaces a dedicated network printer workstation. PocketPrintServer for TCP/IP and Windows NT has a recommended retail price of $499.
AC&P 1800 806 027

Add sound and graphics to e-mail

Lako Vision has announced the Australian launch of Media Synergy's @loha, a software package which allows users to add animation, sound, pictures and effects to e-mail messages. The $69 @loha works with all the popular e-mail systems including Microsoft Mail, cc:Mail, Netscape, Internet Explorer and others. The graphical interface allows the user to drag out a backdrop, add images and premade applications from the clipart included, drag out a sound track and the text and send it.
Lako Vision (03) 9525 3899

Designers Direct®
The webstore for stylish name brand clothing for today's casual lifestyles
LEVI'S
MARITHÉ FRANÇOIS GIRBAUD
GUESS JEANS
POLO JEANS CO. RL RALPH LAUREN
DKNY
Calvin Klein Jeans
nautica
Security, Selection, Service and Savings®
http://www.DesignersDirect.com
Great old-fashioned service from a modern webstore
Designers Direct Corporate Sales®
Now you can put your organization or company's logo on many of our designer items for maximum appeal and impact.

Memory

Large data storer

The Advanced Intelligent Tape or AIT is new technology developed by Sony to store large amounts of data. Using 8mm wide tape media in 3.5in form factor, it incorporates a new recording format, Advanced Lossless Data Compression (ALDC) technology, Memory In Cassette (MIC) capabilities and exclusive use of Advanced Metal Evaporated (AME) media. Recording capacities of over 50Gb are coupled with high-speed file access, data transfer rates of 6Mb/sec and above, and prolonged head and media life. By the year 2000, Sony's AIT is planned to handle native data of over 100Gb capacity and more than 12Mb/sec transfer speed. The SDX-300C (built-in) and SDX-S300C (standalone) retail for $9319.
Sony Australia (02) 9887 6667

Enhanced IDE drives

Maxtor's CrystalMax 1080 series of enhanced IDE hard disk drives have a top-end capacity of 4.3Gb. The new

Macromedia Flash allows Web designers to create fast Shockwave multimedia — add interactive animations, buttons and graphics.

series delivers increased capacity and performance over the current range of drives. Digital signal processor-based architecture has improved seek times to less than 11 milliseconds and incorporated PRML channels for maximum throughput. The CrystalMax 1080 series hard disk drives are available for $390.
Maxtor (02) 9369 3662

Internet

Shockwave multimedia maker

Macromedia has announced Macromedia Flash, designed to create small, fast Shockwave multimedia. With Flash, Web designers can now add excitement to every Web page with vector-based, interactive animations, buttons and graphics. The Shockwave Flash player is very small, approximately 100Kb, and downloads rapidly, making the user's experience of Web multimedia seamless. Shockwave Flash converts animations into an extremely compact file format, then streams the animation onto the Web page so that it plays as it is downloaded. For the Web surfer, playback is very fast using a standard modem connection.
Macromedia (03) 9853 0900

Telstra safeguards against the Net

The Telstra Multimedia SureLink electronic payment service will enable customers to buy goods and services without having to provide credit card and other personal details over the Internet every time a purchase is made. SureLink will be Secure Electronic Transactions (SET) compliant when that global standard is finalised. At the same time, it will provide businesses with an encrypted service and convenient link to customers and suppliers.
Telstra (02) 9903 3705

Web backtracker

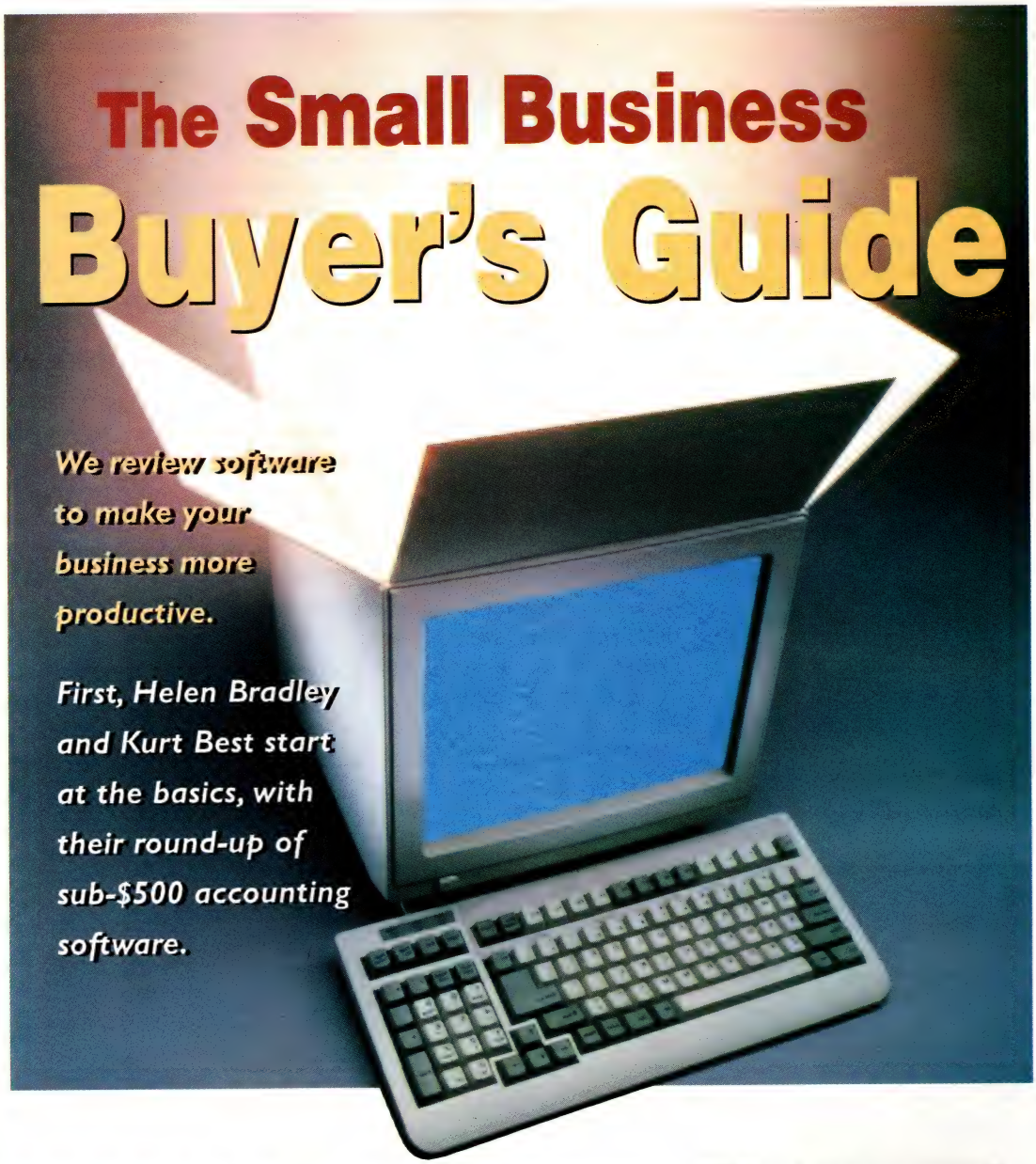
Odyssey Development has announced ISYS HindSite for Microsoft's Internet Explorer, designed to help you find where that great site was on the Web. ISYS HindSite keeps track of where you go without you having to bookmark things. It remembers all the words on every page you visit, not just the place name. Just type in a plain-English query like "where did I see that item on holidays in the West Indies?" and HindSite takes you back to the places you visited.
Odyssey Development (02) 9439 5800 ❑

compiled by Jon Simonds

Virus Buster
The Software you need.
The only anti-virus software....
....Chosen by the Commonwealth Government for inclusion in contract PE64.
....Over 16,000 users in Defence - where security is paramount.
....Over 350,000 Australian users.
....Supplied under contract to the Queensland Government.
....And fully Quality Assured.
The service you Love.
When you need anti-virus protection, contact us for some friendly help at:
Leprechaun Software Pty Ltd
Telephone : +61 (7) 3823 1300
Fax : +61 (7) 3823 1233
Email : sales@leprechaun.com.au
Web Page : http://www.leprechaun.co.au/
Quality System
Quality Endorsed Company

Buyer's Guide

The Small Business Buyer's Guide



We review software to make your business more productive.

First, Helen Bradley and Kurt Best start at the basics, with their round-up of sub-$500 accounting software.

Accounting software

Choosing accounting software is a lot like choosing your accountant. It must be easy to get along with, tell you all the right information and set some discipline on you to perform tasks essential for your business. However, neither one steps on each other's toes — both have a distinct role in your business and you need to make sure that they both get along. If they don't, you'll just wind up with more headaches and increased costs.

So, consult your accountant before choosing your new accounting software. They should provide you with recommendations and guidelines for the software that's right for your business and help you in making the right choices when you are setting it up. Additionally, working with your accountant will ensure that the program you get is an integrated part of your overall financial management.

Will it replace my accountant?

Many people make the mistake of believing that accountants and accounting software do the same thing. And some software packaging reinforces this belief by promoting itself as your 'electronic accountant'. The truth is that if you can use your accounting software in place of your accountant, you probably weren't using your accountant very effectively.

Your accountant should be much more than your record keeper. In today's world of tough markets, tight margins and spiralling costs, good financial management

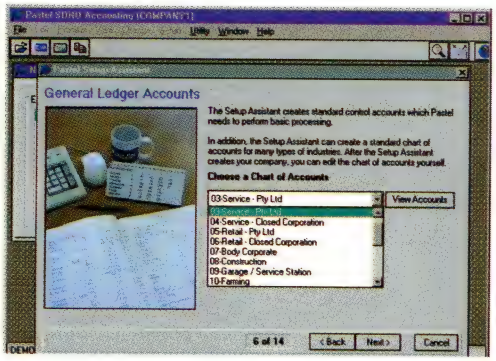

General Ledger Accounts
The Setup Assistant creates standard control accounts which Pastel needs to perform basic processing.
In addition, the Setup Assistant can create a standard chart of accounts for many types of industries. After the Setup Assistant creates your company, you can edit the chart of accounts yourself.
Choose a Chart of Accounts
03-Service - Pty Ltd
04-Service - Closed Corporation
05-Retail - Pty Ltd
06-Retail - Closed Corporation
07-Body Corporate
08-Construction
09-Garage / Service Station
10-Farming
View Accounts
6 of 14
< Back
Next >
Cancel

Figure 1: All activity in Quicken Deluxe takes place from the HomeBase screen. The quicktabs down the left lead straight to the account registers.

is essential for your business survival. Unfortunately, many small- and medium-sized businesses can't afford to have accountants or financial managers on staff. So this is where a good accounting system and good advice from your accountant can step in and take over.

What your accountant should not be doing is preparing basic figures. If your accounting system is setup and maintained properly, then you'll have already done this work yourself (the days of accountants receiving shoe boxes of information to prepare financial statements from are long gone!). Nowadays you can give your accountant a disk containing all your accounting data and they will add some transactions to allow for special accounting treatment of certain areas and then prepare final statements from this.

Your accounting software can provide information about the margins your product or services are generating, where your profits are going, how effective your cashflow has been and what future commitments will do to that cashflow. Armed with this information, your accountant can help you manage your business better. Your accounting software helps you not only monitor your business activities but to plan your business future.

What we considered

All the packages we considered are small business (SOHO) Windows-based accounting packages retailing under $500. The products are Intuit's Quicken Deluxe 5.0 (which because of its invoicing function just sneaks into the category); its 'cousin' QuickBooks 4.0; Pastel's SOHO; Data-Tech's M.Y.O.B. FirstAccounts (previously BestBooks); and M.Y.O.B. Accounting 6.0. We'll call these FirstAccounts and M.Y.O.B. 6.0 to differentiate between them in this review.

All the review products are current versions except for M.Y.O.B. FirstAccounts where we tested the beta version which should, by the time you read this, be released.

Essentially all these products fill the basic functions of General Ledger and Invoicing. Aside from the basics, you'll find that QuickBooks, SOHO and M.Y.O.B. 6.0 all have payroll, purchases and inventory, whereas FirstAccounts includes purchases only.

In addition, many of the programs have other options such as Quicken's home inventory and M.Y.O.B. and QuickBooks' to-do lists and contact managers.

Setup

Setup time is generally your first look at your new accounting package and it's an important time because some of the decisions you make will affect your future interaction with the package and can be difficult to alter. The packages reviewed varied greatly as to the complexity of the setup routine. In all cases, however, reading the installation and setup information before you begin is highly recommended.

You'll also need to collect some of your current information before you begin. At the very least, you'll need bank statements for all your bank accounts and in some cases you'll need a lot more.

Quicken Deluxe

Quicken Deluxe installed from the CD-ROM under Windows 95 quickly and easily, however, a Windows 3.1 machine with an environment variable missing necessitated a couple of calls to the help line to solve the problem.

If there's one thing you can say about Quicken's paper documentation it's that there isn't much of it. Most of the documentation for Quicken Deluxe is on the CD so, to access it, you must have the CD loaded. This said, the information here and in the help screens is easy to read and locate.

Setup is simple; the Autostart Wizard steps you through the process of setting up a single bank account. Then you can choose between a home or a home and business set of starter accounts. All up the process takes a bare five minutes.

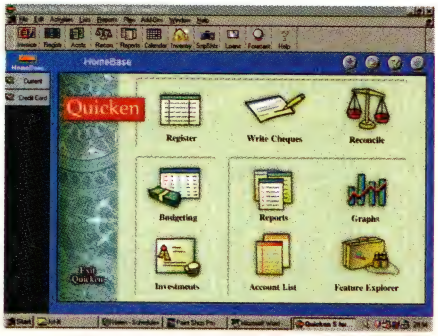


Figure 2: In Pastel SOHO you can select a standard chart of accounts by selecting a best match for your company from the list supplied.

In Quicken everything happens from the Homebase screen (see Figure 1), which has account quicktabs down the left and function buttons on the top and right. The register is where you enter all your payments and receipts, all of which are posted to categories of expense or income. To tailor the program more closely to your needs you can remove unwanted categories and add more if you need them.

Program backup is good. As you exit, you'll be prompted to backup if you haven't done it recently. You can choose a drive to back up to but you won't see the names of the files being backed up and there are a few of them.

QuickBooks

QuickBooks is shipped on 10 3.5in disks and a CD and it installed faultlessly. Setup is via an interview and you can choose to set up only minimal details or complete the entire interview. The latter is a lengthy process taking anything upwards of an hour. Although you are kept informed where you are in a task and how to complete it, because they differ considerably in length, it is impossible to gauge exactly where you are in the entire process.

In addition, as the setup process is complex, at the end you'd be excused for

PC User Offline

You can try M.Y.O.B. 6, Sybiz Vision Lite, Pastel SOHO and Partner for yourself with the working trial versions on this month's cover CD-ROM. Also included are electronic versions of documentation on M.Y.O.B. 6, and Pastel SOHO and Partner.

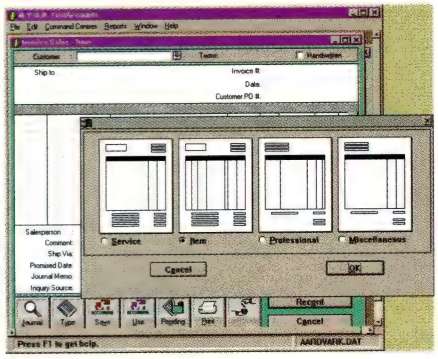


Figure 4: Both FirstAccounts and M.Y.O.B. offer a selection of four invoice types, each of which can be urther customised.

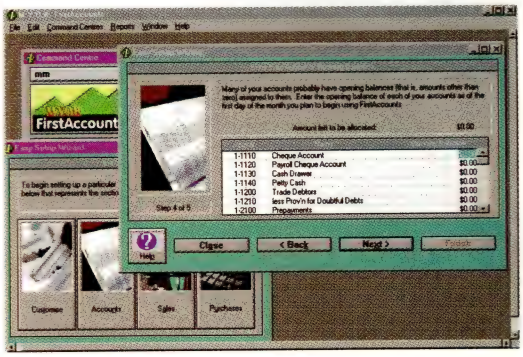


Figure 3: The FirstAccounts Setup Wizard steps you through the process of setting up all your accounts and entering opening balances.

wondering just how many mistakes you've made. Annoyingly, too, although you can add accounts to the chart of accounts, you can't delete them during the interview, so even at the end you still have things to do.

The setup interview steps you through setting up a simple company. You can choose from 20 sample businesses including manufacturing, retailing, non-profit and service businesses to get a 'closest match' to your company. Impressively, once you've chosen your business, the remaining screens tell you what is usual for your type of business. There are also pages of information you can print or view that talk in 'your language' about how you do your work and explain how this fits in with QuickBooks.

Once it's setup, the QuickBooks screen is surprisingly bare. You choose from toolbar buttons and menu options to complete your daily processing.

The backup process is good and a single compressed file is written to your choice of drive and directory.

Pastel SOHO

After installing SOHO from its four 3.5in disks, you are ready to set up the program. Unfortunately, reading the manual at this stage is confusing. Setup isn't covered until Chapter 4 and by the time you reach this, you'll have read an introduction to double entry accounting and an explanation of batch processing — heavy weather for a new user. In all, the manual is poorly organised and in many places only a duplicate of the help screens.

The setup assistant steps you through entering your company details. You can select only the standard accounts required for basic processing or choose to model your accounts on those from one of 19 other business types (see Figure 2). Some of the tax choices you'll be faced with show the South African origins of the program and it is perhaps the least customised for the Australian market of the reviewed programs. However, the process is simple and straightforward and will be done in 10 minutes.

SOHO's interface needs some work. By default, it requires you to enter transactions in batches and as each entry type, sales, purchases etc, is a different batch, each must be separately updated. Unless you update all batches you'll get warning messages in other areas of the program and you have to go back and do it. You can switch to online processing although the manual doesn't recommend it. However, one bonus is the transaction assistant which, on the basis of your answers to its questions, posts transaction details for you.

Another quibble is that SOHO's zoom tool appears inconsistently throughout the program and often it's difficult to tell that using it is an option. SOHO would do well to replace the zoom tool with more obvious drop-down list boxes.

SOHO's backup is a real weakness. Rather than providing its own backup, SOHO attempts to hook into your DOS or Windows backup program, with varying success. For users unfamiliar with using backup, this could end up in frustration. Given the importance of backing up your data, it's of concern that a reliable backup program isn't built-in.

M.Y.O.B. 6.0

M.Y.O.B.'s installation is faultless although, curiously, it installs from four 3.5in disks and the supplied CD contains no program files. The M.Y.O.B. video which is included in the pack is excellent and helps you understand how to set up the program.

Like QuickBooks, set up is by interview and again you have no real idea how far through the setup program you are. However, as it only takes about 10 minutes, this is less a problem than in QuickBooks.

M.Y.O.B. offers a whopping 100 or more template businesses to choose your sample accounts from and although its setup lacks QuickBooks' depth for an inexperienced user, there are so few choices to make that you won't be too concerned you've made mistakes.

Bouquets too to M.Y.O.B. — of all the packages reviewed this is the only one that asks for an ACN (Australian Company Number), if you have one, and automatically includes this detail on its plain paper invoices. You can create a workaround in the others programs, but given that printing ACNs on company documents is a legislative requirement, M.Y.O.B. is streets ahead.

Once you've completed the company setup, you can set up your customer and supplier accounts and enter your opening balances. Although this is potentially a lengthy task, it doesn't need to be done straight away, so you can complete it in your own time and as you need these accounts.

M.Y.O.B.'s card file is the best of any of the programs. You can keep cards for customers, vendors, employees and personal information. If you have a modem it will dial phone numbers and allow you to log call details. Enter a date and you'll be reminded when it's time to make contact again.

One serious concern is that M.Y.O.B. doesn't save your work as you enter it — you must save it yourself. Although you're prompted to save as you exit, at the end of the day it's all too easy to choose No or for your system to crash. Either way you'll lose everything you've entered since you last saved.

FirstAccounts

Unlike M.Y.O.B., FirstAccounts has a Setup Wizard which steps you through set-

The M.Y.O.B. Family

Helping more Australians mind their own business

More answers for more small businesses

M.Y.O.B. has set the standards by which all accounting software is judged. M.Y.O.B. products have consistently been acclaimed by users, accountants and the press – in fact **M.Y.O.B. is the most awarded accounting software ever.**

With constant innovation and new products, the M.Y.O.B. Family continues to offer Australia's best choice in easy-to-use, powerful and affordable small business accounting.

M.Y.O.B. makes real accounting real easy

Before M.Y.O.B. business owners wrestled with overly complex systems. Or, at the other extreme, sacrificed proper accounting controls for an easier to use system.

With M.Y.O.B. there's no need to compromise. Now everyone can easily keep correct double-entry journals. This contrasts with other small business systems which adopt a register approach and never allow you or your accountant to really see what's happening.

Works for you and your accountant

All M.Y.O.B. products are designed to make life easier for you *and* your accountant. With M.Y.O.B. there are 2 ways you can give your accountant your accounts on disk. Firstly just save your M.Y.O.B. data to a disk – thousands of accountants work with M.Y.O.B. data files directly. Or quickly export your data in CeeData, MAS or TeleTax formats. These are the most common tax and report preparation systems used by Australian accountants. Either way you'll save time and reduce errors.

Visit our web pages @ www.datatech.com.au

Which M.Y.O.B. product to choose?

M.Y.O.B. FirstAccounts: Ideal for businesses automating their accounts for the first time. Easy to get started, but powerful enough to handle all the needs of a small service business including invoicing, debtors, creditors, bank reconciliation and general ledger.

M.Y.O.B. Accounting: Bulging with powerful features, yet is just as easy to use. It's the perfect partner for growing businesses and has class-leading reporting, inventory and purchasing management as well as unmatched flexibility.

M.Y.O.B. Accounting with Payroll: All the power and flexibility of M.Y.O.B. Accounting plus a fully-integrated Payroll – process the pays and the rest of the accounting system is automatically and instantly updated. Calculates PAYE, HECS, SGC deductions, tracks sick and holiday leave, handles complex entitlements, prints group certificates and more.

Test Drive M.Y.O.B. in your business

Discover how M.Y.O.B. works in your business by taking the M.Y.O.B. Test Drive. Setup your company, enter your customers, print invoices and generate reports. You can do it all! And anything you enter in the Test Drive can be used when you buy M.Y.O.B. Accounting. The Test Drive is $10. Available at all good software retailers or by calling 1800 555 007.

AUSTRALIAN OWNED · AUSTRALIAN MADE

Test Drive limited to 200 transactions

data·tech SOFTWARE

PO Box 6093, North Sydney NSW 2060
Ph 1800 555 007 Fax 02 9770 9088
http://www.datatech.com.au/

TELSTRA 6 AUSTRALIAN GOVERNMENT SMALL BUSINESS AWARDS 1996

Winner – 1996 Australian Small Business of the Year

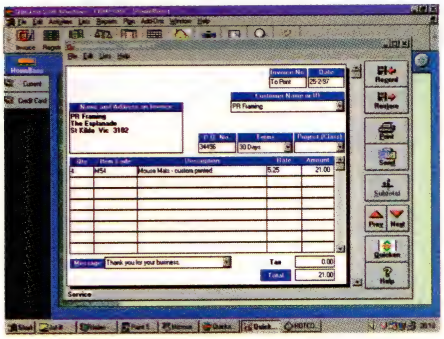


Figure 5: QuickInvoice is an add-on to Quicken Deluxe. Once invoices are entered and printed, the data must be sent to Quicken Deluxe.

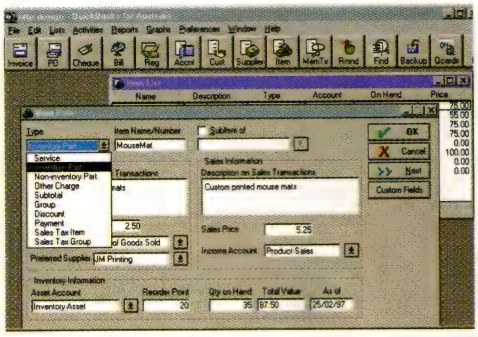


Figure 6: If you classify an item in QuickBooks as an inventory part, it will keep count of your stock details and number for you.

ting up your accounts and entering opening balances (see Figure 3).

Like M.Y.O.B., the chart of accounts include balance sheet and income and expenditure accounts, although the tabbed arrangement means you can quickly locate the ones you want to add, edit or delete. These two programs also use linked accounts which will be foreign to many users. Unless you enter correct opening balances in your linked accounts, when you enter outstanding customer and supplier balances you'll get an error message and you'll get no opportunity to create or alter these balances from the customer or supplier screens. For users unfamiliar with accounting principles, this is confusing and unnecessarily complex.

FirstAccounts command centre is a cut-down version of M.Y.O.B.'s and it's easy to move around it. Unlike M.Y.O.B., you can set FirstAccounts to save automatically after a fixed number of minutes. It's good

What type of package is right for my business?

There are a number of types of accounting packages on the market but they boil down into three basic categories — personal finance (or cash book) software, small office/home office (SOHO) integrated accounting packages, and larger, modular accounting software.

Although there is some overlap between categories, here is a general idea of what they are:

Personal finance software: Designed for individuals to meet their personal finance needs, these packages offer monitoring of cheque and savings accounts, budgeting, tax return preparation and maintenance of investment portfolios for an individual or family.

They are generally unsuited to small business because they're missing features such as invoicing and stock control. However, they may be suitable for a cash business which only needs to record the inflows and outflows of bank accounts, such as a part-time business selling craft items at a market to a large dairy farm.

However, as soon as the business becomes more complex, it will most likely require the additional features of a true accounting package. The leaders in the personal finance software category are Microsoft's Money and Intuit's Quicken. We reviewed the Deluxe version of Quicken here because it comes with the QuickInvoice program.

SOHO accounting packages: This is the category of software that we have reviewed in this feature. This software will usually include general ledger, bank accounts, payroll, stock control, sales, purchases, invoicing and perhaps some other modules.

It will be suited for use in a small business where the proprietor either does the accounts or closely monitors them. For this reason you'll find these packages offer little or no audit control and changes can be made which are difficult or impossible to trace. Also, you'll find that the data in the package will remain live and there is no 'roll over' from one month to the next. This offers flexibility to the small business operator which would be intolerable in a larger business, but which makes these packages easy to use by someone with little accounting expertise.

Somewhere above these packages are Sterling 3 (from Solution 6 on 1800 676 661) and Pastel Partner, the bigger brother of Pastel SOHO reviewed here. Both are powerful integrated packages that cost around $500 and are easy to use — if you've got some experience with accounting procedures.

Another interesting alternative is CommonCents Business, a $349 (single-user; $299 per additional user) package designed to integrate with Microsoft Office (from CommonCents on 02-9223 2227).

Modular accounting software: This is targeted towards larger businesses or more complex small businesses. While it may offer the same functions as SOHO software, it will have stringent audit controls so that changes will be easier to trace.

These packages will require a period (usually a month) to be closed and rolled over before a new period can be started and will be multiuser.

Also, because they are often used by a professional accountant or bookkeeper, they require some knowledge of accounting principles to operate.

They are designed to be modular so that they can be customised for your business, and modules can be added at anytime to add functionality as your business grows. Some modular packages offer hundreds of specific modules, such as automatic billing, time tracking, job control and service recording for specialist tasks and businesses.

They can vary in price from around $1000 to many thousands, depending on what modules you buy.

The most popular modular systems are from Attaché (phone 13 30 45) and Sybiz (1800 683 783). Sybiz's Vision Lite (from $2500 for a three-user system) offers an entry level to this more advanced type of accounting software, particularly for fast-growing businesses who need an upgrade path.

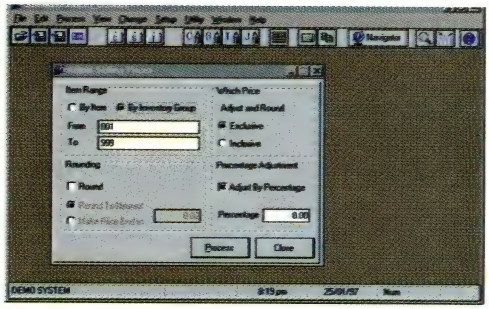


Figure 7: Pastel's smart adjust selling prices dialogue allows you to globally increase prices by a percentage and round the resulting figures.

to see this option and M.Y.O.B. would do well to include it in the future.

Like M.Y.O.B., FirstAccounts has a good backup system, prompting you to backup on exit and writing a single ZIP file to your choice of drive and directory.

Invoicing

Pastel SOHO

SOHO offers a single invoice screen which looks like the paper equivalent. These are relatively easy to create and print and, like QuickBooks, you can only invoice items from the item list — you can't create freeform text entries. It is quite easy to add customers and items on-the-fly from the invoice screen. There is, however, no ability to create pending invoices for quotes and estimates like you can in the other packages.

However, SOHO doesn't make it particularly easy to enter customer and item numbers. If you type the first few letters and then zoom, you're taken to the top of the appropriate list, not to a position relative to the letters you have typed. The correct procedure is to zoom first, then type the first few letters. Worse still, if you key in an incorrect code, you get an error and must start over. The quick fill options in QuickBooks and the M.Y.O.B. products are just that bit smarter.

SOHO documents are customisable via the document designer which exists alongside SOHO. It, too, is slow but fairly easy to use. However, we had difficulties using the design we created, as the manual and help screens indicated filenames that weren't exactly the same as appeared on the screen and the saving instructions were, at best, confusing. A call to the help line clarified the issue and the customised report printed.

There is a range of built-in reports on aging, customer balances and transactions, and you can chart sales by customer or salesperson for the current year compared with the previous year. However, some of these reports are slow to produce and a switch from viewing an invoice report in full page view to page width view, for example, takes five seconds to complete.

Overall, SOHO lacks the snappy response of the other programs and, even with a small amount of data, its performance is disconcertingly slow.

M.Y.O.B.

Like FirstAccounts, M.Y.O.B. offers a choice of invoices including a service invoice that allows descriptive data entry and an item invoice which can be used for sales of items you stock as inventory (see Figure 4).

There is the ability to mark an invoice as pending which is handy for quotes and for service providers who can use them to record items over an extended period where a bill won't be sent for some time. M.Y.O.B.'s pending invoices are easier to use than QuickBooks, and if you attempt to create a new invoice for a customer with a pending invoice, you'll be given the opportunity to use the pending invoice instead. In comparison, QuickBooks pending invoices are more difficult to locate.

You can add new customer and item information from any of the invoice screens but, disturbingly, M.Y.O.B. allowed us to record an income item to an expense account without warning of this. Because M.Y.O.B., unlike QuickBooks, doesn't use items in service and professional invoices, you can create these one-off posting errors way too easily. It's not that you can't make similar mistakes in QuickBooks, but if you do you'll do it consistently so it's more likely to be obvious and quick to locate and fix.

M.Y.O.B.'s invoices and statements are quick and easily customisable from within M.Y.O.B. and you get good control over what prints and where.

You can print reminder statements for all or a single customer and these can be a summarised statement of all open invoices and balances or a balance forward statement showing all transactions for the selected period.

M.Y.O.B.'s to-do list allows you to view at a glance details of your pending invoices and current accounts receivable and payable.

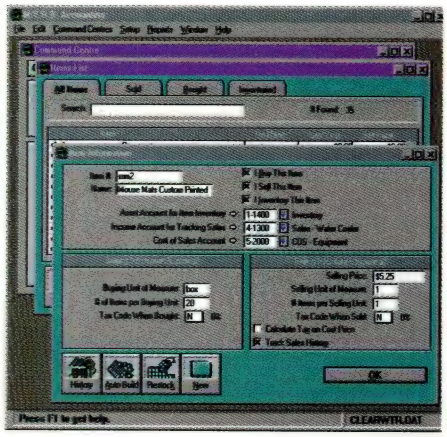


Figure 8: M.Y.O.B allows you to differentiate between items you buy, sell and those you want to keep inventory information for.

FirstAccounts

Essentially, FirstAccounts' invoicing, statements and reporting are similar to M.Y.O.B.'s, with the notable omission of M.Y.O.B.'s great sales reports. Like M.Y.O.B., the reports can be filtered and viewed on the screen or printed to disk or printer. However, overall they lack the flexibility of QuickBooks' reports.

QuickBooks

Like M.Y.O.B., QuickBooks offers a variety of invoice layouts, but these can't be selected on-the-fly from the invoicing screen. You can, however, scroll the existing invoices by selecting the Next and Previous buttons and this is an improvement over M.Y.O.B.'s interface, which can leave you wondering whether an invoice has actually been created or not.

QuickBooks makes pending invoices more cumbersome to use than M.Y.O.B.'s implementation. However, if you don't bill items subject to sales tax, then QuickBooks' billing statements may be more appropriate for billing work done over a period of time.

Each line in a QuickBooks invoice must include an item from the items list. These items may be service- or inventory-related and these are each linked to a general ledger account for automatic posting. You

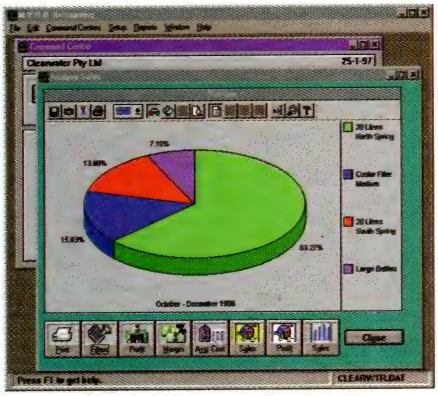


Figure 10: In addition to the standard textual reports, M.Y.O.B. has a special sales reporting function that allows you to chart your sales.

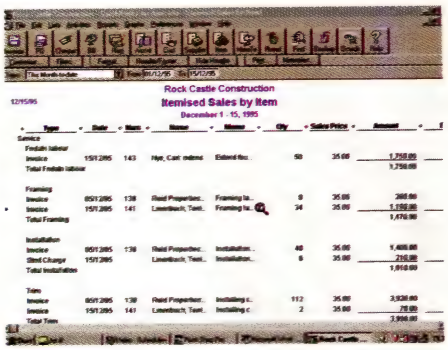


Figure 9: QuickBooks reporting, like Quicken's, has a unique zoom function that allows you to 'drill down' any figure to view the source data.

can add customers and items on-the-fly from the invoice screen and you'll be warned if you attempt to associate an item with an expense account.

QuickBooks offers more specific reporting than, say, M.Y.O.B does. As well as dividing your company into different functional areas, you can have more than one job for a customer and separately invoice and manage job costs. It also has good support for credit card payments and the differing way that payments are made by card companies.

Although you can print on plain paper or letterhead and include company details and logo, you have no control over the placement of the various items on the page like you do in the other packages. It is to be hoped that future upgrades will redress this situation.

Quicken

Quicken invoicing is loaded via the Add-ons menu in Quicken. Because invoicing is separate to Quicken, you'll need to set up your company and elect to use a service or professional invoice. You'll also need to select account details for posting transactions, sales tax and payments. These accounts are where the information is sent when you finish the invoice and select the Send to Quicken button (see Figure 5).

You can add customers and item details on-the-fly from the invoice screen, and although you can print invoices on plain paper, letterhead or preprinted forms, there is very little customisation permitted.

By choosing not to send an invoice to Quicken, you can create estimates, bids and pending invoices. Some default settings, such as automatically recalling memorised invoices, are confusing, especially when you enter a client code and the contents of the last invoice appear on the screen. Thankfully this can be easily disabled.

Payments to invoices is done within Quicken itself in the receivables account. Unfortunately, you need to manually manage this process a little more than is ideal. Open item invoicing is more complex than balance forward, requiring you to post the receipts manually against the invoices which are being paid and then, when they are paid, delete the invoice.

There is a rudimentary accounts receivable by customer report built into Quicken, however, more complex reporting will require you to customise existing reports for following the instructions in the User Guide.

Quicken invoicing is useful if you prepare few invoices and don't need detailed reporting or statements. In short, except for a business that only occasionally needs to send invoices, this is not a recommended program.

Inventory

FirstAccounts

Setting up inventory or invoicing items in FirstAccounts is simple. You can create items for everything from labour to inventory, charges, rentals etc, and apply each item to an Income account so that income can be attributed to specific categories.

When invoicing using the item invoice, you can select an item from your item list and the standard price that you have entered for that item appears. However, this is the limit of FirstAccount's inventory tracking. It has no stock recording system built into its purchases module and therefore you can't keep track of stock levels.

For a service business or one with little or no inventory, FirstAccounts would be suitable, but if you have serious inventory needs, then consider M.Y.O.B. or QuickBooks.

QuickBooks

QuickBooks has a simple approach to setting up inventory and you can create anything you sell as an inventory item including service items, inventory and non-inventory parts and tax items.

When you create an inventory item, you can record that treatment of the item for sales and cost of sales. There is also the ability to create up to five custom fields for an item, for example, its colour or shape (see Figure 6).

Once created you can invoice an item from the main invoicing screen. Unlike M.Y.O.B. and FirstAccounts, every line on an invoice is tied back to an item whether or not you stock that item (for example, you don't stock time but you can bill it). Invoicing an item that you stock effects the numbers on hand and will prompt you if no stock is held (although it will allow you to proceed).

Inventory has its own functions for receiving items and billing which are linked through to purchase orders. These allow you to make stock adjustments where there is a stock loss or gain.

Reporting on inventory items is excellent and provides details on the average cost, quantity sold and margins. There are some specialist reports too for performing stocktakes and keeping track of orders.

Pastel SOHO

SOHO has a two-level method of creating inventory items. The first is the 'group' which is the basic type of inventory, for example, for a service station, oils and fuel would be two groups. The second level is the actual inventory item, for example, two stroke oil and super fuel would be two items. Every item must be a member of a group in order to be allocated to the cor-

Double the choice
Double the speed

High performance graphics accelerators

Doubling your PC's performance has never been easier. Matrox now offers you the choice of two of the world's fastest graphics accelerators. From the world renowned Matrox Millennium to the explosive new Matrox Mystique, you'll finally get all the power you crave.

Now faster than ever!

Matrox Millennium for Professional Graphics

- **Ideal for corporate workflow and file management, DTP, 2D/3D CAD and 3D animation**
- **2-8 MB of dual ported Window RAM memory**
- **Up to 1600 x 1200 in 16.7 million colors**
- **220 MHz DAC for up to 1600 x 1200 at 85Hz**
- **Upgradeable with the Media series of multi-media add-ons**
- **Bundled with software MPEG player, color calibration software, Netscape Navigator and more**

Cutting edge technology

Both Millennium and Mystique deliver blazing fast acceleration for Windows, 3D, video and DOS. Their unique all in one hardware design combines the best in award winning MGA 64-bit chip technology and powerful new memory types, so you get the highest possible performance no matter what your needs.

The future built in

Make obsolescence nightmares a thing of the past with our complete line of memory and video upgrade modules. Add on more memory for increased speed and resolutions or video upgrades for hardware MPEG and frame capture on the PC - the choice is yours.

You get the best of the best with a Matrox graphics card.

Introducing

Matrox Mystique for Mainstream Graphics

- **Ideal for general Windows, mainstream 2D and 3D graphics and multimedia**
- **2 - 4 MB of fast single ported SGRAM memory**
- **Up to 1280 x 1024 in 16.7 million colors**
- **170 MHz DAC for flicker-free screen refresh**
- **Upgradeable with the Rainbow Runner series of multimedia add-ons (Qtr 4 96)**
- **Bundled with software MPEG player, 3D web browser plug-in and more**
- **Also an ideal solution for your home PC**

AUSTRALIAN DISTRIBUTOR

Focal Point Computing

For Enquiries Phone
1800 646 448

matrox

Small business accounting software compared

	Quicken Deluxe 5.0	QuickBooks 4.0	Pastel SOHO Accounting
From	Intuit (02) 9562 7922	Intuit (02) 9562 7922	Pastel (02) 9957 4010
URL	http://www.intuit.com	http://www.intuit.com	http://www.pastel.co.za
List price	$99.95	$299 ($399.95 with QuickPayroll 2.0)	$249 ($399 with Pastel Payroll 2.10)
System requirements	Windows 95 or 3.1, CD-ROM, 486, 8Mb RAM, 18Mb free hard disk space, GA, 256-colour monitor, mouse	Windows 95 or 3.1, 386 (486 or higher recommended), 4Mb RAM (8Mb recommended), 3.5in floppy disk drive or CD-ROM, 20Mb free disk space (4Mb for QuickPayroll), VGA monitor, mouse	Windows 95, NT or 3.1, 4Mb RAM (8Mb recommended), 3.5in floppy disk drive, VGA colour monitor recommended, 15Mb hard disk space
Support	60 days free on registration, 60-day money back guarantee. Ongoing support programs available.	60 days free on registration, 60-day money back guarantee. Ongoing support programs available.	30 days free on registration. Ongoing support programs available.
General Ledger	★★★	★★★ ½	★★★
Payroll	N/A	★★★★	★★★★
Inventory	N/A	★★★★	★★★
Invoicing	★★	★★★ ½	★★★ ½
Reporting	★★★	★★★★	★★★ ½
Overall value	★★★	★★★★	★★★ ½

rect inventory accounts and to receive other group defaults.

Presumably, the aim is to make inventory management easier. In practice it makes it overly complex and hard to use. On the plus side there is a good 'Activity' tab which allows you to see movement in inventory, for example, purchases and sales on a month by month basis etc. There is also a sophisticated price adjustment function to increase all prices in a range by a percentage amount. You can elect to change all the inventory in a group or do it item by item (see Figure 7).

In summary, SOHO's great ambitions in inventory control fail for lack of a user-friendly interface. Weighing up what you put in against the reporting it gives you means that SOHO isn't much more sophisticated than the other packages and it's way more complex.

M.Y.O.B. Inventory

Unlike FirstAccounts, inventory is given its own special treatment in M.Y.O.B. and it's the best structured of the packages reviewed. M.Y.O.B. allows you to distinguish between stock which is bought, sold and inventoried and treats each appropriately (see Figure 8).

Creating stock items is straightforward and, like QuickBooks and SOHO, you can set reorder levels, preferred suppliers and even specify items which are bought together to make another item.

Invoicing inventory is easy and, if you are using item invoices, stock levels are decremented as invoices are prepared. Inventory reporting in M.Y.O.B. is good and gives you good stock information, although the report generator interface is not the most user-friendly.

In summary

M.Y.O.B., QuickBooks and SOHO all deal with inventory in much the same way although M.Y.O.B. and QuickBooks have better interfaces. SOHO's added features save it from being too complex to bother with and although reporting inventory is similar across all three packages, it is most flexible in QuickBooks.

Invoicing inventory items is generally straightforward, with the exception of SOHO's batch processing, and each performs stock control well. QuickBooks' simple invoicing is a plus but, at the end of the day, M.Y.O.B. does the best all-round job.

Reporting

While putting data into an accounting package is important, don't underestimate your need to get it back out again. Your efforts in recording financial information should be paid off with accurate and easy to generate and use reports.

Arguably, reporting is the most powerful component of any accounting software because it gives you the management information you need to make a positive difference to your business. Reports are a snapshot of what has happened so far and a tool for planning ahead.

QuickBooks

QuickBooks' reports are outstanding. The report engine is fast, intuitive and flexible and any report selection can be manipulated to give you more and more specific results. In addition, QuickZoom allows you to 'drill down' almost any figure on any report, all the way to the original transaction (see Figure 9). This is useful when you are reviewing information for accuracy or to investigate further detail — everything you need is available on the one screen. In this area, QuickBooks' active report generation far exceeds the SOHO and M.Y.O.B. offerings.

M.Y.O.B.

Where QuickBooks wins with flexibility and active design, M.Y.O.B.'s reports win by sheer weight of numbers and organisation.

M.Y.O.B. 6.0	M.Y.O.B. FirstAccounts
Data-Tech Software (02) 9955 3611	Data-Tech Software (02) 9955 3611
http://www.datatech.com.au	http://www.datatech.com.au
$399 ($599 with Payroll)	$259
Windows 95 or 3.1, 386 or better, 4Mb RAM, 6Mb free disk space, EGA monitor or better, mouse, soundcard, CD-ROM drive	Windows 3.1 or later, 386, 4Mb RAM, 3.5in floppy disk drive, 10Mb free hard disk space VGA monitor, VGA, mouse
30 days free on registration. Ongoing support and upgrade programs available.	60 days free on registration, 60-day money back guarantee. Ongoing support program available.
★★★★ ½	★★★★ ½
★★★ ½	N/A
★★★★ ½	N/A
★★★★ ½	★★★★
★★★★	★★★
★★★★ ½	★★★ ½

Its report index offers hundreds of different reports, logically grouped, which are clear and easy to use. You can filter reports for various time periods, people, accounts and so on, as you need.

Although the filter is a little cumbersome, the reports are basically quick and easy to prepare. In addition, there are special sales reports accessible via the M.Y.O.B. analyst which summarises sales in a number of ways (see Figure 10). These include charts and text reports and are indicative of what is possible in data analysis. Hopefully M.Y.O.B. will extend these reports to its other functional areas in the future.

Pastel SOHO

Pastel's report engine is fast and the output to screen clear (compared to lack-lustre screen performance elsewhere). However, it doesn't produce exceptional reports; there is less variety than M.Y.O.B. offers and less flexibility than QuickBooks. Annoyingly, if you're using batch processing, you'll stumble over outstanding postings in some reports and to obtain a 'drill down' report you must specify an account, customer or supplier name — there's no list to choose from.

Payroll

Pastel SOHO

Pastel payroll is a cut-down version of WinPay. You'll find setting up an employee is straightforward and comprehensive covering all areas of a standard pay (see Figure 11). Linked areas such as cost centres and pay line types are accessible via the right mouse button and Pastel's payroll toolbar is easy to use.

Individual pays can be paid into a maximum of three different bank accounts or paid by a combination of cash and bank payment. Curiously, even when your separate allocations total 100 percent, Pastel still wants to know where the balance should be allocated to. In addition, an employee's banking details are not screened so you can enter nonsensical data in some fields, for example, it will accept ZZZZZ as a BSB entry. This is of concern as this information is ultimately used for electronic banking transfers. Quick Payroll and M.Y.O.B. are more intelligent in this area.

Pastel's payrun function is well designed

ACCOUNTING SOFTWARE SHOWDOWN

STERLING V3 OR MYOB?

IF YOU WANT THE BEST ACCOUNTING SOFTWARE MONEY CAN BUY UNDER $500 DOLLARS - LOOK AT STERLING V3

COMPARE BEFORE YOU BUY

- Unlimited transaction and accounts capacity ✓
- The ability to upgrade to a multi user option and more advanced packages as your business grows ✓
- Extremely powerful report generator ✓
- Allows programmers to adapt the software to better suit your needs - Software Developer's Kit ✓
- Uses Wizards to link seamlessly to the software used by most accountants - Solution 6 MAS ✓
- Integrated fixed assets ✓
- Quantity discounts for customers and products ✓
- Prepayments and accrual wizards ✓
- Supported by Australia's No. 1 accounting software company - Solution 6 ✓
- 3 FREE hours on the Internet and Internet links ✓
- Plus more! ✓

EASY TO USE

At $499, Sterling V3 gives you arguably more features than any other accounting package in this price range.

For your FREE TRIAL COPY or FREE INFORMATION PACK CALL 1800 676 661 NOW!

SOLUTION 6

STERLING

POWERFUL, SIMPLE, BRILLIANT.

TCA SOL429

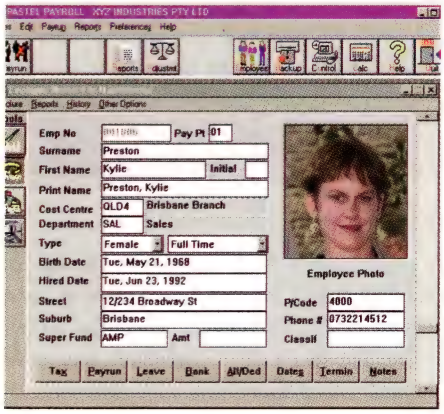


Figure 11: Pastel's employee records allow you to add photos of employees and record basic employee details.

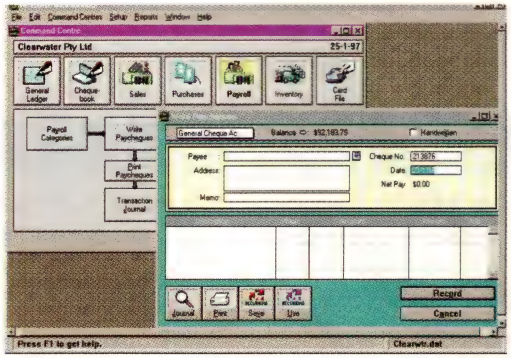


Figure 12: M.Y.O.B.'s payroll is fully integrated into the program and pays are created from the command center using the Write Paycheques option.

and easy to use. However, the pay period information is not visible on the screen, so to check you must go back to the menu. It's also hard to keep track of where you are in a pay as there are no prompts to indicate a pay is finalised and for which employee.

Pastel's reports are good — quick and easy to read. However, we wonder if it is necessary to see the myriad of filter screen options each time you generate a report. Curiously, the Group Certificates are located in a menu called Batch Update, but once you've located them, they do the job and look good.

In summary, Pastel's payroll is a complete package that will handle a small-to-medium payroll. It is fast and error free. Its big downfall is keeping the user fully informed of what stage they are up to and it would be easy to lose track, especially if you use non-standard or ad hoc pay periods.

M.Y.O.B. 6.0

M.Y.O.B.'s payroll is the only truly integrated payroll package of those reviewed, so when you process a pay, the payment and associated entries are posted direct to the general ledger. The other packages merely offer general ledger integration via data transfer. However, there will be circumstances where such integration may not be advantageous, for example, where payroll is administered separately from the business's other accounting functions.

To prepare a pay you'll use the Card file and a sophisticated cheque writing window (see Figure 12). All pay lines are displayed here and you simply enter the employee and any unusual items for the pay period and the rest is done. The software calculates tax on gross wages (including allowances for dependant rebates), employer superannuation, and accrues leave entitlements for you.

Unfortunately, the payslips are little more than cheques with additional details as to how the amount is calculated and, like Pastel, when you are processing a pay it is difficult to figure out exactly where you are.

The integration of M.Y.O.B. payroll means that the general ledger accounts for group tax, superannuation payable etc, are updated with each pay. When it comes time to pay these expenses, you simply look up the balance of these accounts payable and prepare a cheque.

M.Y.O.B. doesn't handle a terminating employee particularly well. You enter a termination date, and this clears the employee's entitlement balances, but you'll have to pay any outstanding balances manually and the tax calculated on a cheque which includes termination pay, may need adjusting. The payroll help information is less detailed than other aspects of M.Y.O.B.'s help and much of the information required only appears in the manual.

The payroll backup is incorporated with M.Y.O.B.'s total backup which is a little worrying if, for some reason, you only want to restore your payroll data. And you have to remember to save regularly, too.

The payroll reports are a fairly standard group of pay summary and detail reports although there are some notable omissions like a superannuation report and a payroll tax report which should be there.

In summary, M.Y.O.B. does a standard job of payroll and its integration is a bonus. However, it needs a bit of work to make it feel as comprehensive as Pastel and Quick Payroll are.

Quick Payroll

Quick Payroll's setup Wizard covers all the setup issues for your company and directs you through the maze of preferences well. This package is intuitive to use and, unlike Pastel, checks details like your bank account number to ensure they adhere to the appropriate standards.

The employee setup is one of the better of those reviewed and flexible. Pays can be split and paid into different bank accounts and you can remit to more than one super fund as you can in Pastel. This is a bonus if you have employees with different super funds. Additionally, you can add next of kin details, notes and a photo to give you a complete employee record similar to that offered by Pastel but nicer in its presentation (see Figure 13). M.Y.O.B.'s employee details are a bare minimum in comparison.

Quick Payroll tells you at a glance where you are up to when processing a pay. Its interface is simpler than Pastel's and there are manual overrides and the ability to make pay lines Ex or Inc tax on-the-fly.

Quick Payroll's reports are accessible from the reports menu. You can customise these using the report editor, or design a custom report based on the fields in the payroll database.

In summary, of all three packages, Quick Payroll has the best interface albeit that it has a fragile feel that isn't present in M.Y.O.B. and Pastel. While there are elements which need more work, the basics are there and it matches Pastel's offering.

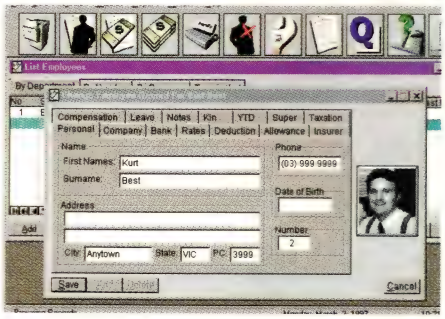


Figure 13: Quick Payroll allows you to keep a range of payroll-related and general employee information in your payroll data file.

There goes your investment in precious metals.

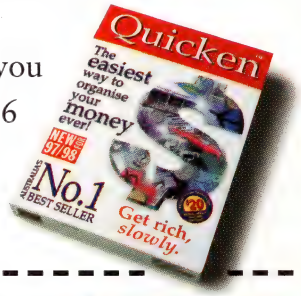
Just when the chance of making some real money presents itself...clang! Your teenager's orthodontist bill exhausts any and all surplus cash.

At this point you compromise by forking out now and getting into gold later, at a higher and riskier price.

Or you install Quicken 6.

At the touch of a button Quicken 6 shows you how to budget correctly. How to manage and reconcile your credit cards and bank accounts. How to balance income with expenditure.

So whatever it is you want from life, Quicken 6 gives you a real chance to *make it happen!*



Get rich, slowly Quicken 6.0

Brighten up my day, send me a FREE Quicken 6 information pack by:

(tick one box) ❑ **mail** ❑ **fax** ❑ **or e-mail**

Name _____

Address _____

_____

_____ Postcode _____

Phone ( ) _____

Fax ( ) _____

e-mail _____

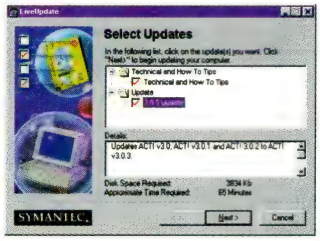
For further information, please return this coupon to

Intuit Australia
PO Box 313 Camperdown NSW 2050
Fax (02) 9562 7934 Call 1800 674 888
or e-mail customer.service@reckon.com.au

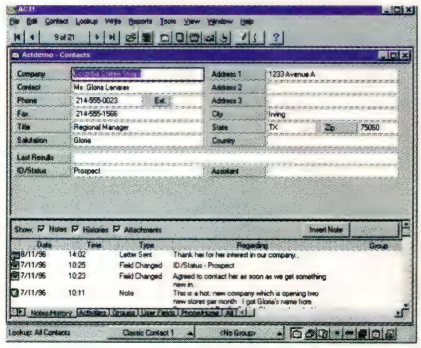
TP-FO2/Q6/PCU5

Available with a 30 day unconditional money-back guarantee from Officeworks, Dick Smith Electronics, David Jones (selected stores), Harvey Norman, Vox, Software Express, Software Today, Downtown Software(Vic), Rob Beaumont, Games Experts, Multimedia Universe, Gamesmen and other leading software retailers.

LiveUpdate! is a new service from Symantec that ensures you always have the most recent bug fixes to software such as ACT! 3.0.



ACT! 3.0 from Symantec is a simple but powerful contact manager with good marketing capabilities.



Information managers

Stephen O'Brien reviews new contact and information managers that will make a difference to your business's productivity.

While most businesses have moved their accounts across to a computer-based system, many stick doggedly to paper for their other valuable information, typically relying on a card-based contact system and individual diaries.

If that sounds familiar, then your business is not running to its productivity potential. The new breed of contact managers, for example, allow you to track not only phone numbers and addresses, but details of conversations, letters, e-mail and so on. But perhaps even more importantly, they're smart at allowing information to be shared and at enabling teams to work together.

So it goes without saying that although your workers will benefit individually from the software reviewed below, if they are connected via a network and electronic mail, most of these programs will provide even more significant benefits to your business.

The software ranges from straightforward contact managers, which are typically aimed at sales teams sharing contacts and scheduling appointments, to more general information managers and task managers (not to be confused with the more specialised project managers).

ACT! 3.0

From: Symantec (02) 9879 6577
List price: $299
System requirements: Windows 95 or NT 3.51 or higher, 8Mb RAM, 23Mb hard disk space
Overall value: ★★★ ½

Contact managers

ACT! 3.0

ACT! has been around for longer than most sales personnel would care to admit, and while it has only hit version 3.0 in the Windows world, its modus operandi spent a long time getting honed under DOS.

ACT! 3.0 is a good, solid update to an already strong product. Symantec has added flexibility and power without any needless complication. Indeed, most of the changes revolve around a series of tabs that have been added to the two main windows, although Symantec has also removed the completely pointless revolving Rolodex from the left-hand pane.

For the new user, ACT! is a very easy product to learn and use, even with its slightly American feel. (This isn't particularly easy to pinpoint, save that it expects you to work with it, rather than the other way around. Many US business products seem to emphasise a system rather than a framework which can bend to the user's needs). Still, this is less obvious in this version than it was in previous releases.

Entering new contacts is as easy as tapping the Insert key and filling in the fields. Searching is achieved by picking a target field from the 'Lookup' menu and entering a criteria. ACT! also supports freeform searching on any field.

You can recall pre-defined contact groups simply by selecting them from a list that pops up from the lower status bar. An excellent time-saving feature.

Calendar functions can be reached through the Contact menu and offer a range of views. This is all standard stuff, but delve a little further into the product and you'll start to appreciate this release's numerous changes.

For instance, ACT! has a fully customisable interface. That includes every menu, every toolbar, every field and every list. It also supports multiple windows like Maximizer (not reviewed here), has an enormously improved report designer, and — perfect for workgroups — built-in data synchronisation.

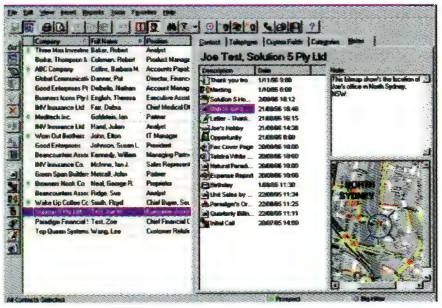
ACT! also integrates particularly tightly with Windows 95's fax and e-mail subsystems. These include Microsoft Exchange, cc:Mail, CompuServe and Lotus Notes. New mail appears in a special pane, and if another ACT! user sends you one of their contact's cards or schedules, it is a simple matter to integrate that data into your own ACT! database.

E-mail can also be originated from within ACT!, with the full text of the message appearing in the card's notes section. Unfortunately, there is no way to attach incoming e-mail messages to particular cards, making this facility a bit like a two-legged stool.

Still, while ACT! 2.0 was buggy and overrated, this latest version deserves every accolade it will no doubt receive — including this one. If you don't mind the corporate rather than personal feel, it is well worth a look.

Janna Contact Personal 1.0

Janna Contact is the new kid on the block — one with plenty of promise. Like many new products, Janna Contact Personal is an eclectic mix of often good



Janna Contact Personal is unique in its use of embedded objects such as this map displays.

and innovative ideas. However, it takes some getting used to.

Janna offers two primary views: contact and calendar. However, these are far more malleable than the others with plenty of ways to drag around tabs, reorder and resize columns and, in fact, drag-and-drop data from almost anywhere to anywhere.

Unfortunately, glitzy icons and an occasionally muddled screen layout don't give it the suave look of, say, ACT!, Organizer or Outlook.

However, underneath the interface lies a powerful product with the speed where it counts.

The main Janna screen has a "Hit List" down the left-hand side — managed by entering a set of selection criteria — and, across to its right, a tabbed pane that displays different categories of contact information for the highlighted record.

The tabs include general contact data, telephone numbers, custom fields, categories and notes. Categories are a simple way to specify that contact as being part of one or more groups. Typical categories might include "Christmas Card List" and "Good Payer".

Notes are Janna's power play. A note can be any of numerous object types internal to Janna — meetings, reminders and telephone logs are just a few examples — or any object dragged from an external source.

The Notes panel is made up of three windows. The tallest one lists each note object while a smaller one displays any explanatory notes attached to that note. The final window is used to display content. This provides instant viewing of word processor documents, spreadsheets, photographs or whatever. So long as you have the supporting OLE-enabled application installed on your computer, the document will display correctly in the viewing window.

OLE 2.0 applications that support in-place editing can be launched with a double-click of the mouse, providing instant editing within the current application's framework. This can be less disconcerting than jumping to an external application, but also a rather cramped way of editing large files.

Janna is an unusual contact manager, if only because the developers have made very good use of the well-connected Windows environment. However, it isn't particularly intuitive, lacks the appealing screen layouts of many of the other packages, and its support for drag-and-drop objects, while innovative for a contact manager, is of limited utility.

Now Up-to-Date 1.5

Now Software is best known for its Macintosh contact management system, but last year the company released a version of Now Up-to-Date for Windows and it has met with more than moderate success.

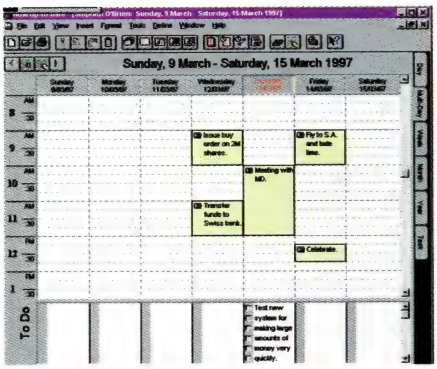
Now Up-to-Date looks simple enough, but that's just the first glance. It divides itself between two main screens: address book and calendar, and like all good software, its simplicity is only evidence of how hard the program works behind the scenes.

After installation, the software can be launched from either the unique QuickAccess Manager or by resorting to the usual Start button hierarchy.

The QuickAccess Manager is a small floating button tray with five options. These let you launch the main software, look at your most frequently used names and 'phone numbers, take a look at the day's schedule, instantly open a window for creating a note or logging a telephone call (just assign it to a contact later), and reply to meeting notices.

This forms an ideal way to access the power of Now Up-to-Date without having it loaded all of the time. Unfortunately, the only way to jump back to the Manager after heading into Up-to-Date is to select the manager from the Tools menu. Why didn't the developers automatically make the Manager load after quitting from the program proper?

Now Up-to-Date is easy to use and particularly painless. An AutoType function



Now Up-to-Date has a well-designed interface and a sprinty QuickAccess Manager.

automatically completes previously typed names and addresses, and tabs down the side of every screen providing quick access to a number of different, attractive views of the contact information or calendar. There is almost no learning curve associated with this product and it is superbly flexible with up to 30 custom fields.

Furthermore, Now Up-to-Date is very Web-savvy. It's a simple matter to drag-and-drop e-mail addresses and URLs into Up-to-

Janna Contact Personal 1.0

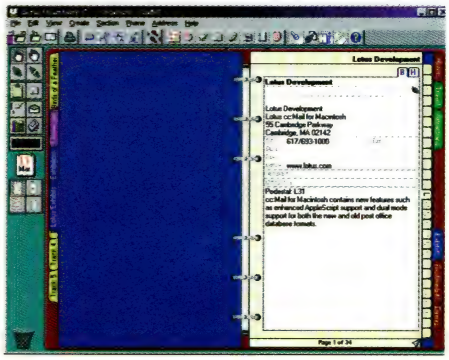
From: Solution 5 (02) 9929 6644
List price: $139
System requirements: Windows 95 or NT 3.51 or higher, 12Mb RAM, 8Mb hard disk space
Overall value: ★★★ ½

Now Up-to-Date 1.5

From: Trio Technology (07) 5577 4411
List price: $179
System requirements: Windows 3.1 or 95 (CD-ROM includes both versions), 8Mb RAM, 10Mb hard disk space, Netscape Navigator
Overall value: ★★★★

PC User Offline

Corel is giving away the full version of Info Central 7 for free on its Web site (www.corel.com) — and on this month's PC User Offline CD! Also included on our CD are working trial versions of Act! 3.0, Janna Contact Personal 1.0, Now Up-to-Date 1.5 and Microsoft Project for Windows 95.



Lotus Organizer is a great looking contact manager with a solid visual metaphor.

Date's fields. Later, double-clicking either will launch Netscape (not Internet Explorer) and either pre-address an e-mail message to the recipient, or jump to the appropriate Web site.

Even more interestingly, it is possible to publish your calendars and contacts to an Intranet. Other users can drag this to their own copy of Up-to-Date and automatically merge the information. (Unfortunately, this feature couldn't be tested on the copy submitted for review, so you'll just have to take Now Software's word for it.)

Now Up-to-Date is an excellent software-based management tool, but it also recognises that not everyone spends their days tied to a desk. The software provides a wide range of paper-based formats compatible with the popular DayRunner, Day-Timer and Franklin Quest organisers. It also has plenty of good plain paper formats, but if you really don't want to sever that electronic umbilical cord, will also, with add-on software, talk to the Palm Pilot PDA.

Lotus Organizer 97

From: Lotus Development (02) 9350 7700
List price: $169
System requirements: Windows 95 or NT 3.51 or higher, 8Mb RAM, 15Mb hard disk space
Overall value: ★★★

Microsoft Outlook 97

From: Microsoft (02) 9870 2100
List price: $159
System requirements: Windows 95 or NT 3.51 or higher, 12Mb RAM, 16Mb hard disk space
Overall value: ★★★★

Info Central from Corel uses a peculiar object linking system to define relationships between pieces of information, as shown here.

Lotus Organizer 97

Organizer is a beautifully designed product that is also highly functional. Created to emulate a traditional Filofax, it does so elegantly and faithfully, only differing where there is an obvious opportunity to further improve the electronic product better.

Sadly, Organizer 97 doesn't add a lot to the previous releases. Enhancements include a new Day per Page view in the Calendar, improved addressing and a notepad that supports rich text formatting.

Organizer also supports TAPI, the telephone application programming interface. This, like all of the other contact managers reviewed here, enables automatic dialling of a telephone number with a modem using the settings specified in the Windows 95 modem Control Panel. Useful, but not something you'd phone home about.

Organizer's contact management functions are more limited than the other packages, making it not so much a marketing tool as a true personal information manager. For instance, there is no support for assigning multiple categories to the one card, even though Organizer uses an internal category system for classifying different appointments and tasks, and applying filters.

Also, while Organizer's printing system is superbly comprehensive in its support for numerous paper formats, its exporting is limited to ASCII, ANSI, dBase and FoxPro. This doesn't make the job of integrating Organizer's data with a corporate system particularly easy.

It should be noted, though, that Organizer easily merges two data files, so you can take it on the road and automatically update the laptop and office database when you return.

Despite its failings, Organizer remains an excellent product. It is fun to use (can you beat that cool waste bin fire?), and it uses a consistent and strong visual metaphor.

Microsoft Outlook 97

Outlook is, of course, the all-new replacement for Microsoft Exchange and Schedule +. Like Team Manager, this is pretty smart software, although it does suffer the same resource overloading as Exchange (in other words, forget about it on a machine with less than 16Mb of RAM, even though the recommended is 12Mb). However, it successfully manages to combine groupware with scheduling, contact and document management, e-mail, faxing and project management.

That's a tall order for a single product, and it does lend Outlook a certain complexity. Fortunately, its most common uses are relatively simple.

Outlook has several primary sections: communications, contacts, notes, scheduling and exploring. These are accessed by clicking on various icons in the highly customisable left-hand pane. The data displays to the right. The right-hand pane is also very malleable, capable of highlighting certain aspects of the data in numerous ways.

Each type of data interacts strongly with the software's other components. For instance, choose to send an e-mail message from a contact card and you will also generate a journal entry. Messages, contacts, notes and more can also be stored in user-defined folders, helping to coordinate projects and multi-faceted contact information.

For businesses, Outlook represents a significant change in the way a workgroup can work. User's can define their own forms and attach Visual Basic scripts to add other functionality, such as data checking or replication, to other databases. It is also a simple matter to share your Outlook data with other users, either through a shared folder or by e-mailing them your contacts or other information.

Outlook seems to have the features of every other contact management system and then some. Furthermore, it integrates

Gateway 2000™
Breaking new ground
GATEWAY2000
GATEWAY2000
"You've got a friend in the business."™
energy
POLLUTION PREVENTER

Ground Breaking Technology

At Gateway 2000, because we build every PC to order, you get the exact configuration you want, using the latest components and hottest new technologies. Which means you'll always be among the first in Australia to benefit from new features, including Intel's new MMX™ media enhancement technology. We began selling MMX technology the day Intel announced it, and have incorporated it into our P5-166 and P5-200 multimedia desktop PCs, and our Solo 2200 150MHz and 166MHz portable PCs. At Gateway 2000, we work hard to bring you the very latest in PCs before anyone else, so whether it's the unparalleled media experience of MMX™ technology that you're after, the earth shattering power of a Pentium® Pro processor-based PC, the blistering speed of a new 12X/16X CD-ROM, or a 17" Mag monitor with the new Microfilter technology, we've got it all.

Built To Order

We custom design and build every PC at Gateway 2000. All you need to do is let us know what you want. And that's easy. Our team of telephone sales consultants can offer you all the help and advice you'll need over the phone (their 1800 number is printed on this brochure). Alternatively, drop into one of our Product Showrooms in Sydney, Melbourne or Brisbane and test drive a Gateway PC before placing your order. Or why not surf the net and configure your own Gateway PC on the Gateway 2000 WWW Home Page (http://gw2K.com.au) You can even order online!

And for corporate and government customers, we have a team of Account Managers ready to help you with all of your IT requirements. Simply call us, and we'd be happy to arrange an onsite, obligation-free consultation. Whatever option you choose, we're here to help you get the PC you want.

Software Solutions

When you buy from Gateway 2000, you get an entire computer package, with a choice of top-selling, top quality software products. Like Microsoft's new Office 97 Professional Edition* - the all-in-one suite of applications including MS Word, MS Excel, MS Outlook, MS Publisher and MS Bookshelf. Then there's the Gateway 2000 Software Select packages, which have been specially bundled for our customers. Choose from the Generations Pack, the CD-ROM Games Pack, or the Australian Educational Pack. And when you've decided it's time to really put your Gateway PC to work, take advantage of the Windows NT 4.0 upgrade option we have available across our desktop range. Couple it with a high performing Pentium Pro processor-based PC and you have the ultimate speed machine

*MS Office 97 Professional Edition is available on selected configurations only.

Earth Shattering Peripherals

At Gateway 2000™, we also stock some pretty earth shattering peripheral products, including the latest in ultrawide hard drives (a 9Gb SCSI hard drive) and a new Iomega™ Zip Drive giving you 100Mb of back-up space on each special 3.5" disk! We've also got a new range of CD-ROM drives with speeds up to a maximum of 16X per second, and a new Ensoniq® PCI Soundcard, which allows you to handle even more audio in less time. And check out the new Canon™ BJC-70 portable colour printer we're offering. It plugs easily into our Gateway 2000 notebook PC range, which means you can take it on the road with you! Then there's the new 33.6 k/bits data/fax modem for our portable PCs, and the addition of Microsoft®'s IntelliMouse™ to our peripherals line-up to make rolling, panning and zooming even easier. With so many new products now available, it's hard to know which ones to choose first!

Gateway 2000... BREAKING NEW GROUND

Professional Systems

GATEWAY P5-133

- Intel® 133MHz Pentium® Processor
- 16MB SDRAM
- 256K Pipelined Burst Cache
- 1.2GB EIDE Hard Drive, PCI Interface
- 1.44MB 3.5" Diskette Drive
- 2MB Matrox SGRAM 3D Graphics Accelerator
- 15" NI SVGA Digital Colour Monitor
- ATX Slimline Desktop Case
- 104-Key Windows® 95 Keyboard
- Microsoft® Mouse
- Microsoft Windows 95

$1899 inc Tax

GATEWAY P5-166

- Intel 166MHz Pentium Processor
- 16MB SDRAM
- 256K Pipelined Burst Cache
- 2.5GB EIDE Hard Drive, PCI Interface
- 1.44MB 3.5" Diskette Drive
- 2MB Matrox SGRAM 3D Graphics Accelerator
- 15" NI SVGA Digital Colour Monitor
- ATX Slimline Desktop Case
- 104-Key Windows 95 Keyboard
- Microsoft Mouse
- Microsoft Windows 95

$2199 inc Tax

GATEWAY G6-200SE

- Intel 200MHz Pentium Pro Processor
- 16MB EDO Performance DRAM
- 256K L2 Integrated Cache
- 2.5GB EIDE Hard Drive
- 1.44MB 3.5" Diskette Drive
- 2MB Matrox SGRAM 3D Graphics Accelerator
- 15" NI SVGA Digital Colour Monitor
- ATX Slimline Desktop Case
- 104-Key Windows 95 Keyboard
- Microsoft Mouse
- Microsoft Windows 95

$2799 inc Tax

GATEWAY G6-200

- Intel 200MHz Pentium Pro Processor
- 32MB EDO Performance DRAM
- 256K L2 Integrated Cache
- 3.8GB EIDE Hard Drive
- 1.44MB 3.5" Diskette Drive
- 4MB EDO VRAM 3D Graphics Accelerator
- 17" NI SVGA Digital Colour Monitor
- Min 12x/Max16x CD-ROM Drive
- ATX Slimline Desktop Case
- 104-Key Windows 95 Keyboard
- Microsoft Mouse
- Microsoft Windows 95

$3499 inc Tax

Multimedia Systems

GATEWAY P5-133 FAMILY PC

- Intel 133MHz Pentium Processor
- 16MB SDRAM
- 256K Pipelined Burst Cache
- 1.2GB EIDE Hard Drive, PCI Interface
- 1.44MB 3.5" Diskette Drive
- 2MB ATI SGRAM 3D Graphics Accelerator
- 15" NI SVGA Digital Colour Monitor
- Min 12x/Max16x CD-ROM Drive
- 16-Bit Gateway Sound
- Altec™ Lansing Performance Amplified Speakers
- ATX Mini Tower Case
- 104-Key Windows 95 Keyboard
- Microsoft Mouse
- 33.6 Kbit/s Data/Fax/Voice Modem and Speakerphone
- Telstra Big Pond Internet Kit with 30 hours free access*
- Microsoft Windows 95
- Microsoft Sidewinder 3D Pro Digital Joystick
- Gateway Select Software Pack (Either A,B or C)
- MS Office 97, Small Business Edition+

$2599 inc Tax

GATEWAY P5-200 XL

- Intel 200MHz Pentium Processor with MMX Technology
- 32MB SDRAM
- 512K Pipelined Burst Cache
- 3.8GB EIDE Hard Drive PCI Interface
- 1.44MB 3.5" Diskette Drive
- Zip™ Drive & 100MB Zip Disk
- 2MB ATI SGRAM 3D Graphics Accelerator
- 17" NI SVGA Digital Colour Monitor
- Min 12x/Max16x CD-ROM Drive
- 16-Bit Gateway Sound
- Altec Lansing Amplified Dolby Surround Sound Speakers with Sub-Woofer
- ATX Minitower Case
- 104-Key Windows 95 Keyboard
- Microsoft Mouse
- 33.6 Kbit/s Data/Fax/Voice Modem and Speakerphone
- Telstra Big Pond Internet Kit with 30 hours free access*
- Microsoft Windows 95
- Microsoft Sidewinder 3D Pro Digital Joystick
- MMX technology-enabled software
- Gateway Select Software Pack(either A,B or C)
- Microsoft Office 97, Small Business Edition+

$4199 inc Tax

Software

Select Packages

A. Microsoft Generations Software

- MS Money 5.0, MS Encarta® 97, MS Cinemania® '97, MS Julia Childs Cooking, MS Music Central 97, MS Wine Guide.

B. CD-ROM Games Pack

- Al Unser Jnr Arcade Racing™, 3D Ultra Pinball™, Buried in Time 2™, Greg Norman Golf™, Terminal Velocity™, Decent™ - Destination Saturn.

C. Australian Educational Pack

- Webster Software: Encyclopedia of Australia 96, Great Barrier Reef, Exploring Nature, Aussie Adventure Activities, Aussie Birds, Aussie Reptiles & Frogs, Aussie Mammals.
- Oz on Disc TELEROM.
- Australian Sports & Adventure MPEG.

Office 97 Small Business Edition+

- Microsoft Word
- MS Excel
- MS Outlook
- MS Publisher
- MS Bookshelf

Services

Service & Support

- Lifetime toll-free technical support for all PCs and operating systems.
- Three-year limited warranty for all desktop, tower and portable systems.
- One-year on-site service for all desktop systems, if a Gateway technician determines that it is necessary (not available in some remote locations).
- Special upgrade options for enhanced service including three-year on-site service and hardware installation.
- 30-day customer satisfaction guarantee. Shipping charges to and from customer are not refundable.

Finance Options

Gateway 2000 offers flexible financing options to both consumer and corporate & government customers. These options allow you to acquire your PCs with a low monthly fee, rather than an upfront capital expenditure outlay. Call us today for further information and details of the terms and conditions.

Portable Systems

GATEWAY SOLO 2100 SE

- Intel 133MHz Pentium Processor
- 16MB EDO RAM (expandable to 72MB)
- 256K Pipelined Burst Cache
- 1.0GB Removable Hard Drive
- Modular 1.44MB 3.5" Diskette Drive
- 1MB EDO Video RAM
- 11.3" DSTN Passive Matrix Colour Display
- NiMH Battery Pack & AC Pack
- PCMCIA Slots - 2 Type II or 1 Type III
- EZ Pad Pointing Device
- Integrated 16-Bit Sound with Stereo Speakers
- Stereo Headphone, Built-in Mic & Line-In Jacks
- Parallel, Serial, Infrared VGA & PS/2 Ports
- PCI Bus
- 85-Key MS Windows 95 Keypad
- Microsoft Windows 95

$2999 inc Tax

GATEWAY SOLO 2100 LS

- Intel 133MHz Pentium Processor
- 16MB EDO RAM (expandable to 72MB)
- 256K Pipelined Burst Cache
- 1.0GB Removable Hard Drive
- Modular 1.44MB 3.5" Diskette Drive
- Modular 10-Speed (Avg.) CD-ROM Drive
- 1MB EDO Video RAM
- 12.1" SVGA Active Matrix Colour Display
- Lithium-Ion Battery Pack & AC Pack
- PCMCIA Slots - 2 Type II or 1 Type III
- EZ Pad Pointing Device
- Integrated 16-Bit Sound with Stereo Speakers
- Stereo Headphone, Built-in Mic & Line-In Jacks
- Parallel, Serial, Infrared VGA & PS/2 Ports
- PCI Bus
- 85-Key MS Windows 95 Keypad
- Microsoft Windows 95

$4199 inc Tax

GATEWAY SOLO 2200 LS

- Intel 150MHz Pentium® Processor with MMX™ Technology
- 32MB EDO RAM (expandable to 80MB)
- 256K Pipelined Burst Cache
- 1.3GB Removable Hard Drive
- Modular 1.44MB 3.5" Diskette Drive
- Modular 10-Speed (Avg.) CD-ROM Drive
- 2MB EDO Video RAM
- 12.1" SVGA Active Matrix Colour Display
- Lithium-Ion Battery & AC Pack
- PCMCIA Slots - 2 Type II or 1 Type III
- EZ Pad Pointing Device
- Integrated 16-Bit Sound with Stereo Speakers
- Stereo Headphone, Built-in Mic & Line-In Jacks
- Parallel, Serial, Infrared VGA & PS/2 Ports
- PCI Bus
- 85-Key MS Windows 95 Keypad
- MS Windows 95
- MMX Technology-Enabled Software
- MS Office 97, Small Business Edition+
- Casual Carrying Case

$5299 inc Tax

GATEWAY SOLO 2200 XL

- Intel 166MHz Pentium Processor with MMX Technology
- 48MB EDO RAM (expandable to 80MB)
- 256K Pipelined Burst Cache
- 2.0GB Removable Hard Drive
- Modular 1.44MB 3.5" Diskette Drive
- Modular 10-Speed (Avg.) CD-ROM Drive
- 2MB EDO Video RAM
- 12.1" SVGA Active Matrix Colour Display
- 33.6 Kbit/s Fax Modem & Software
- Telstra Big Pond Internet Kit with 30 hours of free access*
- Lithium-Ion Battery Pack & AC Pack
- PCMCIA Slots - 2 Type II or 1 Type III
- EZ Pad Pointing Device
- Integrated 16-Bit Sound with Stereo Speakers
- Stereo Headphone, Built-in Mic & Line-In Jacks
- Parallel, Serial, Infrared VGA & PS/2 Ports
- PCI Bus
- 85-Key MS Windows 95 Keypad
- MS Windows 95
- MMX Technology-Enabled Software
- MS Office 97, Small Business Edition+
- Deluxe Carrying Case

$6699 inc Tax

intel inside
pentium PROCESSOR

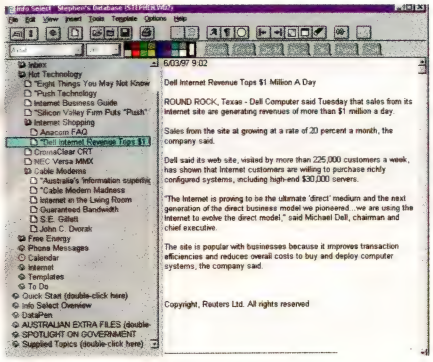
GATEWAY2000
"You've got a friend in the business."™

1-800 068 918

http://gw2k.com.au

Our Sales hotline is open Mon - Fri 9 a.m. to 5.30 p.m. Saturday 9 a.m. to 2 p.m. EST.

©1997 Gateway 2000 Pty Ltd. ACN: 070 538 751. EZ Pad, black-and-white cow spot design, "G" Logo, Family PC and "You've got a friend in the business" slogan are trademarks or registered trademarks of Gateway 2000, Inc. The Intel Inside Logo, Intel, Pentium, Pentium Pro and MMX Technology are trademarks or registered trademarks of Intel Corporation. All other brands and product names are trademarks or registered trademarks of their respective companies. All prices and configurations are subject to change without notice or obligation. Pictured PCs may vary slightly from final custom-configured product. All prices exclude handling & delivery. Call and ask for prices excluding tax. Payment options now include bank cheque on delivery of systems. * You will need a valid credit card to access the Big Pond service. 30 free hours must be used within the first month of registration. Normal Telecom charges apply.



Info Select is the fastest, most freeform PIM on the market. Use it to store anything from press releases to telephone calls to plot ideas for the great Australian novel.

beautifully with Microsoft Office, automating common tasks even further. For example, Outlook can mail-merge its contacts with a Word 97 document through the Windows Address Book — essentially as simple as pie. The software is also highly compatible with Microsoft Team Manager for group communication and management.

As mentioned earlier, Outlook is a complex product, and fully fathoming its functionality takes quite a bit of work. But if you want to use it on a fairly casual basis as a simple contact management, scheduling and communications tool, it's a cinch.

In short, if you already own Microsoft Office 97, you'd be doing yourself a disservice to not use Outlook as your PIM or contact management tool. And even if you don't, this is still a product very much worth the separate purchase price.

Information management

Info Select 3.0

This product is completely different from any other information manager on the market, but that doesn't make it wrong. In fact, by the reckoning of many, many thousands of users, this is the only PIM worth knowing.

Info Select is different because it casts the notion of fixed forms and fields to the winds. At least, that's what it did in its previous versions. This release is a little different because it has also added support for structured databases.

An Info Select file is at best a haphazard collection of scraps of information. This is freeform at its freest, unstructured at its least, and powerful at its most.

However, of the completely boundless nature a text file disconcerts, Info Select provides several templates for such items as telephone messages, to-do tasks, fax covers and so on. These are preformatted with pseudo-fields that help guide users on where specific information should be placed.

It should be pointed out, though, that these are not fields in any database sense, as any text anywhere in the file can be searched.

Every Info Select record remains a simple text window, with each window storing up to 64Kb of text, more than enough for most purposes. The text can be anything from letters and faxes to e-mail, product specifications, press releases, orders, shipping labels, Web pages and anything else that can be created on a computer, scanned by OCR software, or copied to the clipboard from another application. (The notable exception is anything graphical, which, unfortunately, is not supported.)

Info Select also provides tools for highlighting the text in various ways, but the nature of the highlighting is purely cosmetic and has no bearing on the software's search and retrieve functions.

An Info Select file can store an unlimited number of text windows and do so very economically. In fact, a 10,000 item postcode file takes less than a second to search while a 20Mb file on a fairly ordinary computer still only takes a few seconds. These are the kind of speeds normally associated with the ISYS text archiving system, but they apply whether the search is performed on straight text, using Boolean logic or a special neural setting that helps to make connections the user might not otherwise be aware of.

Version 3.0 of Info Select has added a topic hierarchy that brings a little structure to the database. Notes (text windows) can be stored under any hierarchy and very easily dragged between them.

Also new is support for databases. These can be imported wholesale from any text or dBase file. Instead of expanding them into possibly millions of individual text windows, Info Select maintains the database format. This makes it easy to track down a whole host of data associated with a particular contact. Not only can you instantly lay your hands on the original contact record from the original database, but also any records of telephone calls, instances where that person or company may have been mentioned in communication with anyone else, orders, faxes and more. The text in each case is instantly displayed on screen.

Incidentally, Info Select also has comprehensive calendaring and can create its own e-mail system using a method identical to Microsoft Team Manager's shared directory. Entire topics from the file tree can be sent to a workgroup as easily as a single method, making this an equally powerful tool for individuals or entire organisations.

Info Select 3.0

From: StepUp Systems (03) 9427 0168
List price: $199
System requirements: Windows 3.1 or higher, 4Mb RAM, 2Mb hard disk space
Overall value: ★★★★

Info Central 7

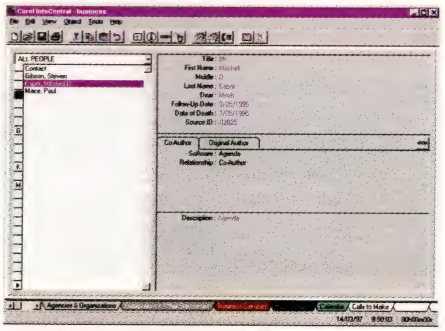
From: Tech Pacific (02) 9381 6000
List price: $535 (bundled with Corel PerfectOffice)
System requirements: Windows 95, 486 or higher, 8Mb RAM or more, VGA monitor or higher, double-speed CD-ROM drive, soundcard, 10Mb free hard disk space, mouse
Overall value: ★★

Info Central 7

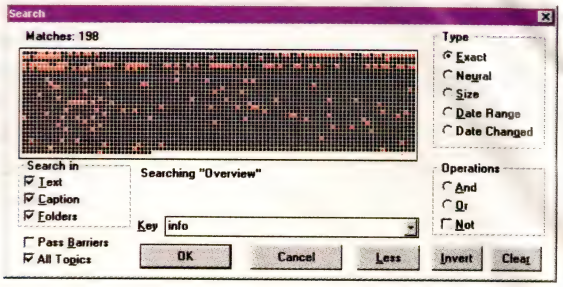
Corel's Info Central is, without a doubt, one of the most peculiar information managers ever released.

The product treats any and all information as objects, with any object able to be linked to any other so as to suggest some kind of relationship.

For example, an employee object might have various fields for name, address, direct deposit account, base salary, spouse's name and so on. This might be linked to



While the Info Central approach can work in some instances, the developers have resorted to appropriate screen layouts for contact lists.



The Info Select searching system depicts quite graphically the number of hits scored in the current database.

another employee object using a link that relates to the true management hierarchy.

Early versions of Info Central were limited to objects and links. Theoretically, this made it possible to store almost any kind of information. However, it didn't lend itself particularly well to personal information management.

The latest version, bundled with Corel PerfectOffice, includes several specialist objects such as an address and calendar view. Entries in either of these views can still be tied to other objects, but they appear on the screen in a format more compatible with their nature.

Info Central ships with a wide range of templates. These can turn it to such diverse tasks as managing a fleet of cars, tracking a wine or CD collection, and, if desired, pretending to be a day planner.

Unfortunately, the slightly tortured nature of the product makes it rather ill-suited for quickly plugging in the results of a sales contact or the like. And its highly structured nature forces the user to work the way the software wants, not the other way around.

For this reason, it's difficult to give Info Central the consideration Corel would no doubt like it to enjoy. It might come in handy as a kind of organisational planning tool, and could prove absolutely perfect for mapping a family tree, but as a contact and personal information manager, it's a failure.

Microsoft Team Manager 97

From: Microsoft (02) 9870 2200
List price: $659 (five-user; $149 per additional user)
System requirements: Windows 95 or NT 3.51 or higher, 12Mb RAM, 16Mb hard disk space
Overall value: ★★★★

Task management

Microsoft Team Manager 97

Microsoft is becoming very good at producing smart software, and Team Manager is no exception. This is a project management program for workgroups with the emphasis on communication.

The Team Manager disks contain two programs: one for the manager and the other for every member. (Incidentally, the software license lets you choose to install either the manager or member — they cost the same.)

Team Manager relies heavily on e-mail, so it supports quite a number of packages including Outlook, Exchange, Microsoft Mail, Notes and cc:Mail.

Everyone must use a common e-mail platform. If not, then Team Manager can also use the network for e-mail by utilising a common shared directory. This is also the best solution for workgroups whose computers are rather low on resources.

Immediately after installing the Manager version of Team Manager, the software launches into a brief tutorial on the product. When this has finished, a Wizard steps in to assist the user with configuring the software and setting up their first team.

Team Members are added by sending them an e-mail message. Once they have the member software installed, accepting that e-mail message will automatically set up their member software to access that team's file, automatically updating the data when necessary.

The Team Manager system organises tasks, budgets, people and, subsequently, entire projects. Each person can be assigned certain tasks from a master list. Each team member can also make changes to the status of his or her own tasks, but only view those belonging to other members. They can also engage in private communication with the team manager.

If the team manager reschedules or otherwise edits a task, an update is sent to the appropriate team member. If they accept the message, the changes are automatically incorporated into their own task list.

The team manager can also accept status reports from individual team members and quickly generate a consolidated report. In addition, the software provides scope for maintaining an ongoing record of each individual's performance. This information is, of course, kept confidential.

Unlike other information and project management systems, Team Manager recognises individual contribution. Team members can view other member's schedules, discuss objectives and deadlines, and have important issues automatically flagged.

This software lets them get on with the work at hand, minimising follow-up memos and telephone calls. With everything in writing, it is also an ideal way to sort out conflicts and misunderstandings, even before they occur!

Incidentally, Team Manger integrates almost perfectly with Microsoft Outlook, making it a valuable addition to the Office team. ❑

Microsoft Project for Windows 95

If you plan and manage large-scale projects, such as engineering, construction, software development, system upgrades and so on, your needs will probably go beyond Microsoft Team Manager, to Microsoft Project ($799, from Microsoft on 02- 9870 2100). You can learn about what Project does from Microsoft's Project Web site at http://www.microsoft.com/project/ and try it for yourself with the evaluation version available from the site and our May 97 CD-ROM.

ONLY $95 rrp

How can something this small make your business look bigger and better?

Small Business Graphics and Print Studio is the easiest, most comprehensive and best value graphics package for your small business.

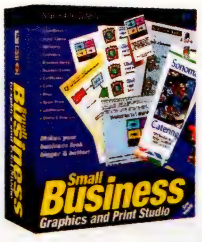
Designed for Windows 95 and Windows NT, Small Business Graphics and Print Studio provides you with all the professionally designed content, project wizards and graphics tools you need to make your business look bigger and better. Feature-rich applications in the studio include Windows Draw 5 for drawing, diagramming and internet graphics; Picture Publisher 6 for photo editing and painting; Instant 3D for 3D text and graphics; and ABC Media Manager for drag-and-drop clip art management.

Ideal for:

- stationery
- calendars
- business cards
- logos
- charts & diagrams
- graphics
- painting
- photo editing
- 3D graphics
- space plans
- home page creation
- greeting cards

Includes:

- 20 000+ clip art and photo images
- 250+ TrueType fonts



ALL THE TOOLS YOU NEED TO CREATE THE PROJECTS YOU WANT!

Microsoft Office Compatible

Designed for Microsoft Windows NT Windows 95

Micrografx products are available from leading computer retailers. For further information call Micrografx customer services on 1800 644 298.

MICROGRAFX®

www.micrografx.com

Buying a business PC

What type of desktop PC should you buy for your business? Philip Moore and Glenn Rees find out.

When buying a business PC, the key question you will ask — apart from the brand of course — is, what configuration should I buy?

We set out to answer this question by testing six desktop ASI PCs which were identical apart from two key components: the central processing unit (CPU) and the graphics card.

Testing PCs from the one manufacturer — Anabelle Bits (phone 02-9384 8000) — ensured our exercise wasn't compromised by different makers' abilities to get different performance levels from the same configurations. We chose Anabelle Bits because of its reputation, backed by our experience, as a local assempler of solid PCs at a price that's attractive to small business.

All the ASI systems came with 16Mb of RAM, a SoundBlaster 16 PnP soundcard, 1.2Gb Seagate hard drive, Panasonic eight-speed CD-ROM drive, built-in speakers, enhanced 104 keyboard, Microsoft mouse, 15in NEC monitor and Windows 95.

The main point of difference was the central processing unit (CPU): the range included two Pentium 133MHz PCs, a Pentium 166MHz, Pentium 200MHz, Pentium 200MHz with MMX, and a Pentium Pro 200MHz.

All CPUs came with 256Kb of Level 2 cache — the optimum amount for a standard Pentium or Pentium Pro — with the exception of the MMX Pentium 200 where the 512Kb cache does make a difference.

The ASI PCs reviewed for this feature were solid, if unexceptional, systems with good quality components and a price attractive to small businesses.

Two P133s were included to test two graphics cards, with one system having the fairly standard issue S3 Trio64V+ (with 2Mb of EDO DRAM) and the other boasting the very fast Matrox Millennium (with 2Mb of WRAM). All other systems included the Millennium.

What the tests show

The ASI PCs were solidly made, with good components and priced very competitively. We tested the PCs as business workstations running Windows 95 and they performed to expectations — not outstanding, but still pretty good.

On the whole, their performance increased predictably as the CPUs stepped up, while in the P133s the Matrox Millennium made a significant difference across all types of applications.

One pleasant surprise, however, was just how well the P200 MMX performed in our business application test suite.

The MMX chip is designed to achieve best results from the new games, multimedia and graphics applications designed specifically for MMX. But clearly the extra Level 2 cache and other subtle improvements to the chip do make a difference to ordinary Windows 95 applications — an 11 percent difference between the plain P200 and the MMX model, according to our overall WinStone 32 scores.

Interestingly, the graphics results were not as impressive as the word processing results, but you can expect MMX versions of several graphics applications soon that will make an enormous performance difference.

The impressive performance of the MMX machine, along with a price of under $3000 — just $20 more than ordinary P200 — resulted in the P200 MMX racing way ahead in our Business Price/Performance Index.

By contrast, the Pentium Pro was only marginally faster than the ordinary P200, lagged behind the P200 MMX, and was significantly more expensive than both. However, when upgraded to the pure 32-bit platform of Windows NT, the Pentium Pro would come into its own — although that is beyond the scope of this feature.

Finally, please note that while we feel the results from the ASI PCs are representative of a good portion of the market, other manufacturers may have different strengths and weaknesses — and hence offer better or worse value in the different configurations.

How we tested

To test the PCs as business workstations there was one outstanding choice — Ziff-Davis's WinStone 32, a Windows 95-based testing suite that uses actual

MicroGram Computers

EZPAD Touch Mouse

The EZPAD mouse uses a small touch pad (77mm x 77mm x13mm) to emulate a Microsoft Mouse. It is operated by finger, pen etc and connects via a serial port. Tracking speed is 200 mm/sec and it has a resolution of 470 dpi. It is compatible with Microsoft serial mouse or IBM PS2 mouse.

Cat. No. 8462 **EZPAD Touch Mouse** $49

Honeywell No BALL Serial Mouse

The unique patented design of the Honeywell Mouse allows it to work on any surface at any angle - no special pad needed! Since it has no ball, it rarely needs cleaning. The two button mouse incorporates patented x-y axially inclined transducer technology which provides a resolution rating of 320 dpi.

Cat. No. 8435 **Honeywell NO BALL Serial Mouse** $95

8 Port RS232 Serial Intelligent Win NT

An 8 port card that really works for Win NT at up to 115200 bps. Fitted with 16550 UARTs it can be jumpered for IRQ 3, 4, 5, 7, 10, 11, 12 or 15. It includes octopus cables with DB25 connectors and is compatible with SCO XENIX, SCO UNIX, MSDOS, Windows 3.1, Windows NT & OS/2 operating systems.

Cat. No. 2605 **8 Port RS232 Intelligent Win NT** $799

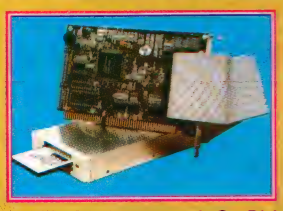
POS Keyboards

Fully reprogrammable 59, 78 or 128 key POS keyboards. Programming software provides a graphical keyboard layout for easy setup. Keyboard definition templates can be saved and easily recalled allowing fast updates. Features include:-

- each key programmable as a single key, a function key combination or a string of up to 28 characters.
- no external power required
- no TSR software driver required
- use with 101 keyboard for programming, debugging
- compact design & fully redefinable keycaps

Cat. No. 8190	**59 Key Programmable**	$278
Cat. No. 8273	**78 Key Programmable**	$328
Cat. No. 8271	**128 Key Programmable**	$464
Cat. No. 8356	**55 Key Programmable**	$429

Dual PCMCIA Drive



Transfer your PCMCIA based data to your desktop PC. This dual socket 'drive' supports two type 1 (memory cards or I/O) or one Type II card (Fax/Modem, network, SunDisk ATA interface cards, Intel Corporation's ExCA cards) and one Type III card (ATA 1.3" and 1.8" hard disk drives).

- Supports DOS, Windows 3.1 & Win 95
- Includes a DOS PCMCIA services software library (CardSoft)
- Includes CardView (control & maintenance utility for Windows)

Cat. No. 6121 **Dual PCMCIA Drive** $295

MicroHouse Technical Library

The MicroHouse Technical Library on CD-ROM contains complete configurations, diagrams, settings, component locations and vital need-to-know information on PC hardware. Features include:

- Hardware coverage on main boards, network interface cards, hard drives, controller cards, multi-I/O cards & video cards
- Full array of specifications including outdated, no longer supported models
- Quarterly update subscription service

Cat. No. 81059	**MH Tech Lib Network 1 User**	$955
Cat. No. 81064	**MH Tech Lib Network 3 User**	$1915
Cat. No. 81060	**MH Tech Lib Network 5 User**	$3035

SOS (Support On Site) for Hardware - from MicroHouse

Features of MicroHouse Technical Library plus:

- Current software drivers, patches, and bug fixes, ready for downloading from CD-ROM
- Up-to-date technical notes, bulletins, compatibility reports, manuals, and other documents on network hubs, routers, printers, servers, and more
- Comprehensive Win 95 coverage
- Quarterly update subscription service

Cat. No. 81091	**MH SOS Stand Alone**	$1396
Cat. No. 81092	**MH SOS Network 1 User**	$1660
Cat. No. 81093	**MH SOS Network 3 User**	$3325
Cat. No. 81094	**MH SOS Network 5 User**	$4995

ECP/EPP Parallel Port Cards

Add ECP/EPP speed to your system with data transfer rates up to 1Mb/sec. Both ports provide 7 selectable I/O port addresses and 10 selectable IRQ's as well as 2 selectable DMA channels.

Cat. No. 2235	**1 Port**	$79
Cat. No. 2236	**2 Port**	$94

Bi-directional parallel printer cards are also available

Cat. No. 2314	**1 Port**	$40
Cat. No. 2315	**2 Port**	$59
Cat. No. 2316	**3 Port**	$97

PCI Multiscreen Interface Card

Display a large window across several monitors or display several different windows on different monitors. A high performance, multi-screen interface card designed around the powerful S3 Trio64V+ graphics engine for today's demanding PC graphics applications. Plug-in modules allow the board to be upgraded to 3 or 4 screens per board and video memory can also be upgraded to 2MB. Virtual screen cards for the ISA bus are available for 2 & 4 monitors.

Cat. No. 2606	**2 Multiscreen card 1MB - PCI**	$1090
Cat. No. 2607	**3 Multiscreen card 1MB - PCI**	$1395
Cat. No. 2608	**4 Multiscreen card 1 MB - PCI**	$1695
Cat. No. 2278	**2 Virtual Screen card - ISA**	$1299
Cat. No. 2277	**4 Virtual Screen card - ISA**	$2425

Programmable Keyboard with Trackball & Calculator/Clock

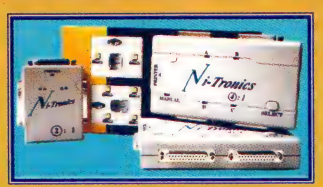
Featuring 12 programmable keys, a built-in dual power driven 10 digit calculator and a built-in trackball as well as a comfortable palm rest and Win 95 keys. The calculator can work independently or as part of the keyboard and gets power from the computer or from the battery.

Cat. No. 8439 **Prog KB w/ Trackball & Cal/Clock** $169

Also available,

Cat. No. 8186 **103 Key Keyboard with Trackball** $164

Printer Sharers - Parallel Bi-directional



Control the printer remotely without leaving your computer! Unlike virtual Bi-Tronic auto switches, this switch simultaneousy communicates to both computers. This printer sharer features IEEE-1284 and Centronics autodetection and is HP LaserJet, DeskJet compatible.

Cat. No. 12042	**Switch Box Parallel Bi-directional 2 to 1**	$99
Cat. No. 12043	**Switch Box Parallel Bi-directional 4 to 1**	$165

E & OE All prices include sales tax **MICROGRAM 0597**

Phone:(043) 89 8444 sales@mgram.com.au info@mgram.com.au Fax: (043) 89 8388

Dealer Enquiries Welcome

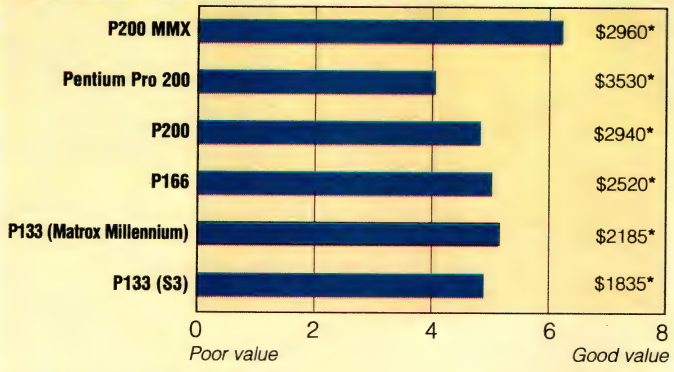
Australia-Wide Express Courier (To 3kg) $10

We welcome Bankcard Mastercard VISA Amex

Unit 1, 14 Bon Mace Close, Berkeley Vale NSW 2261

FreeFax 1 800 625 777 Vamtest Pty Ltd trading as MicroGram Computers ACN 003 062 100 FreeFax 1 800 625 777

PC User Business Price/Performance Index**



** List price including tax*
*** This index was calculated by dividing a relative WinStone 32 score by a relative pricing score.*

code from popular business applications, including Microsoft Word 7.0, Excel 7.0, Access 7.0 and Powerpoint 7.0, Lotus Word Pro 96, Adobe PageMaker 6.0, CorelDraw 6.0 and Borland Paradox 7.0. WinStone then reports an overall score and individual scores for word processing, spreadsheet, database, and graphics/desktop publishing.

We've provided these scores for you to see for yourself what sort of CPU or graphics card is the best value for your business application. But as well as this we formulated our own PC User Business Price/Performance index (see above).

Buying a business PC

We focussed on price and performance for this feature because we wanted to find the best-value configuration. Of course, these are just two things to look for when buying a business PC. Here's a full checklist:

CPU: Based on the findings of our tests, if you want to maximise your investment in a new desktop PC, we recommend spending more now and getting a Pentium 200 with MMX — if, like the ASI PC, the price is right.

Buying a fast processor now should lengthen the time of the PC's usefulness. Sure extra RAM will improve performance too, but that can be added later easily and (if prices continue as they are) cheaply.

Those who use large databases, spreadsheets or graphics, which work the CPU heavily, should certainly buy the fastest CPU they can afford. However, there's nothing wrong with Pentium 166 and 133 systems for those on a tight budget and using standard business applications such as a word processor.

RAM: As a general rule, adding RAM is the fastest, cheapest way of increasing a PC's performance, so why not spend less on the CPU and more on RAM?

It's a valid question, and most Windows 95 users would almost certainly be better off in the short-term if you buy, say, a Pentium 166 with 32Mb than a Pentium 200 with 16Mb.

However, as our Upgrade Guide in the last edition (page 22) showed, there are points of diminishing returns for adding RAM, depending on what operating system, applications and PC you have. For a Pentium running ordinary Win 95 business applications, 32Mb is the 'sweet spot' — any more is a waste, while anything less than 16Mb is certainly not recommended.

On the other hand, those who use Windows NT or high-end graphics will benefit significantly from even more RAM.

As stated above, however, there's a good case for making the CPU an equally high priority when buying a new PC, because of the ease and cost of upgrading RAM on most PCs.

Graphics card: Most new PCs these days come with a decent graphics card — the S3 Trio64 used in the base Pentium 133 model, for example, is a respectable performer and would serve average business users quite well.

There are several forms of RAM used on graphics cards and some are better than others (see last edition's Upgrade Guide on page 26 for a full rundown), but for average office use, they all serve the purpose fine. Just make sure it has enough video RAM to drive the best resolution of your monitor (2Mb for a 15in monitor, for example).

Having said this, these tests, and those in last edition's Upgrade Guide, illustrate what a difference a good graphics card like the Matrox Millennium can make to the performance of even a word processor. And obviously it's a vital component for users of high-end graphics and desktop publishing.

So if you can't afford a good one now, make sure the graphics card can be upgraded easily. This won't be a problem on most standard, 'no name' PCs, but some name brand PCs — especially those aimed at the home buyer — have the graphics adaptor built onto the motherboard, making it more difficult and expensive to upgrade.

The hard disk: While some hard drives are faster than others, in the average office it's not going to make much difference, unless the PC is intended as a network server or for some other high-performance task.

A Hyundai Monitor comes with a 3 year on-site warranty. Now it could even come with an SX Coupe !
free 3 YEAR Onsite Warranty*
WIN a Hyundai SX Coupe!
HYUNDAI
DeluxScan 17B+

There is no better time to buy a quality Hyundai monitor. Impressive features. Exclusive 3 year on-site warranty*. **And a chance to win a Hyundai SX Coupe or a Hyundai Pentium ® 133MHz Multimedia PC System!** Available in sizes from 14" to a massive 21" at highly competitive prices, the Hyundai DeluxScan colour monitor has all the features you would expect from one of the most innovative and successful electronic companies in the world. So whether you want to design a complex 3D model or simply play Dungeons and Dragons, the Hyundai DeluxScan colour monitor is the one for you.

Simply purchase the exceptional Hyundai monitor between now and May 31 and you can enter the draw to win a Hyundai SX Coupe valued at $26,000 or one of 3 Hyundai Pentium® 133MHz Multimedia PC Systems.

HYUNDAI MONITORS

Electronic Resources.
Australasian Distributor of Hyundai Monitors

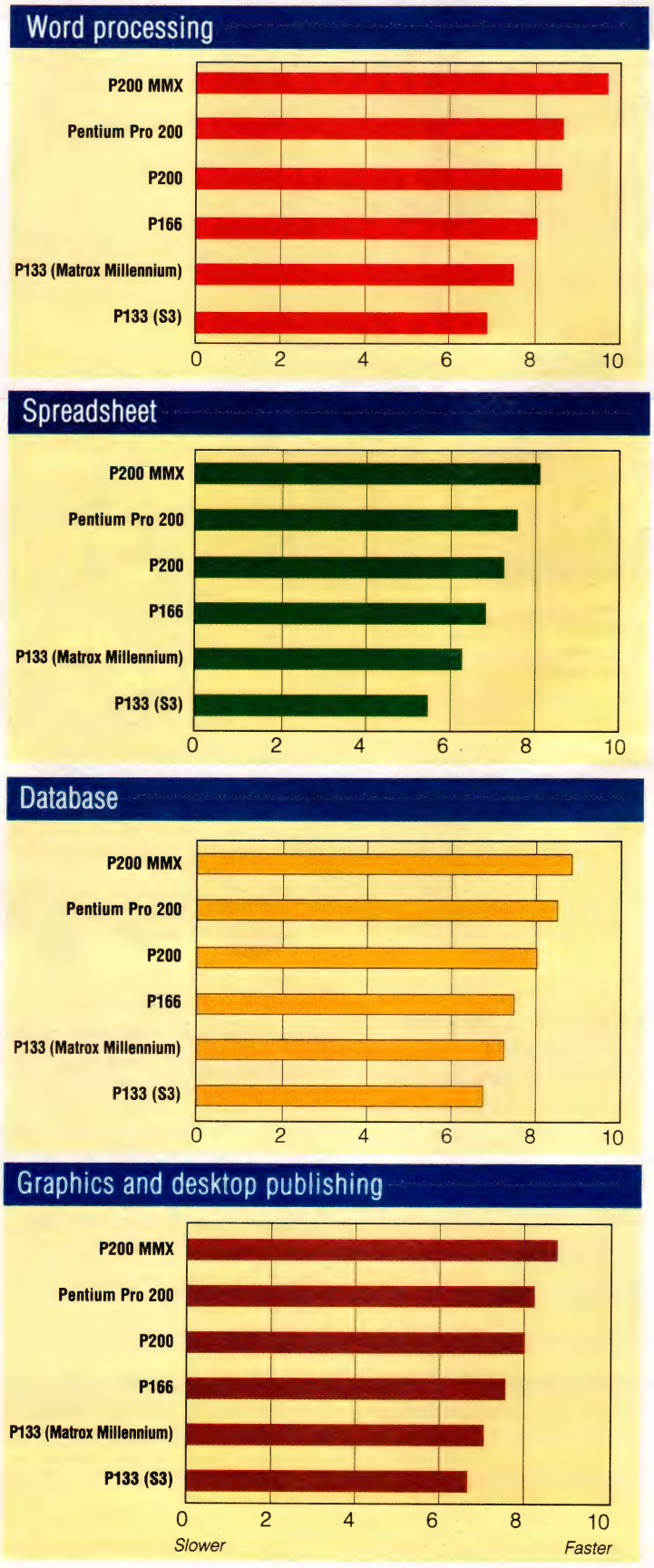
* Three year onsite warranty available in Australia and New Zealand through Electronic Resources Australia distribution channels only.
Hyundai logo is a registered trademark of Hyundai Electronics.
All other company and /or product names are trademarks or registered trademarks of their respective companies.

For more information and entry coupon call 1300 65 3333 (9am-5.30pm EST weekdays)

TERMS & CONDITIONS
"Win a Hyundai SX Coupe or one of three Hyundai Pentium 133MHz Multimedia PC Systems"

1. Information on how to enter and prizes form part of these conditions of entry. Employees and their immediate families of the promoter and its agencies associated with this promotion are ineligible to enter.
2. The promotion is valid for purchases from 1st March 1997 to 31st May 1997 inclusive.
3. Stock availability may fluctuate and is beyond the promoter's control.
4. The promotion is open to purchasers of Hyundai monitors through authorised ERA distribution channels only. Promotion is valid for purchases only which are not for resale. To enter this draw participants must include the original coupon, a photocopy of their monitor receipt and the serial number of their monitor.
5. Final entries for the above promotions must be received by 5pm on 31st May 1997 to be eligible to win. The winners will be drawn at ER Building, 9-11 Leeds St, Rhodes NSW 2138 at 11am on 6 June 1997. The winners will be announced in the Public Notices section of The Australian on the 9 June 1997. The judges decision is final and no correspondence will be entered into.
6. The major prize is a Hyundai SX Coupe, manual, valued at $26,000 at 1.2.97, redeemable from the Hyundai dealer nearest the winner. Vehicle includes registration and on-road costs but excludes comprehensive insurance. Selection of car colour will be subject to availability. If the winner of the Hyundai SX Coupe is under the age of 18 years, the prize will be awarded to the winner's parent or guardian. There are three second prizes of a Hyundai Pentium 133MHz Multimedia PC System, valued at $2,500 each at 1.2.97. All prizes are not transferable, exchangeable and cannot be taken as cash. The promoter may conduct such further draws at the same place as the original draw as are necessary three months from the original draw date in order to distribute any unclaimed prizes. The promoter shall not be liable for any loss or damage whatsoever which is suffered (including but not limited to direct or consequential loss), or for personal injury suffered or sustained, as a result of the winners acceptance of the motor vehicle except for any liability which cannot be excluded by law.
7. All entries become the property of ERA, the promoter. ER Building, 9-11 Leeds Street, Rhodes, NSW 2138, and may be used in future marketing exercises. The Promoter reserves the right to photograph and publish winners.
8. The promoter is Electronic Resources Australia (ERA), ACN 063 397 437, ER Building, 9-11 Leeds Street Rhodes NSW 2138.
9. NSW Permit No. TC97/0990, VIC Permit No. 97/251 issued on 19 Feb. 1997, SA Permit No. T4613, ACT Permit No. TP96/1992, NT Permit No. NT97/0386.

WinStone 32 performance results



The only things you need be concerned about are getting the biggest possible disk, and that a new or second hard disk can be added later easily — because you know you'll need it.

CD-ROM drive and soundcard: There are few business applications where the quality of these make a difference — nearly all PCs come with a six-speed CD-ROM or faster and reasonable 16-bit soundcard, which will be more than good enough for office use.

Monitor: Don't skimp on the monitor, particularly if you or your staff are on the PC all day. Make sure it doesn't flicker or appear fuzzy, it has good digital controls and the Energy Star sticker (you want to save on your power bill, don't you?).

And forget 14in monitors. Even word processor users will appreciate the extra screen real estate (and therefore less scrolling) of a good 15in monitor, such as the NEC model supplied with the ASI PCs. Those who do a lot of graphics work or who use large spreadsheets should consider at least a 17in monitor, although they do cost a lot more.

Keyboard and mouse: Again, don't skimp on these for people on PCs most of the day. Try the keyboard and mouse out before buying.

Warranty and support: These of course are vital, particularly for small businesses which don't have an IT department. Make sure the warranty covers all components, find out who services the warranty, and get an on-site rather than return-to-base deal for at least one year.

Finally, make sure telephone tech support is available during the hours that you work, and find out what calls they will and won't support, and how much they will cost.

Extras: Consumer PCs these days come with stacks of extras, including software, CD-ROM games, a modem and printer. These may be useful for single-operator home offices, but small businesses buying a number of workstations may be better off looking for no-frills business deals.

Windows 95 and NT have networking built-in, allowing staff to share files and a printer that's probably much more suitable to a business than a $300 colour inkjet. Also, products like Artisoft's ModemShare and i.Share allow a modem and Internet connection to be shared across a network. ❑

MAY 1997

School PC AUSTRALIA

Australia's first publication for teachers, students and parents

Musical multimedia

How computers can make it easier to learn music

Contents

Music software reviews 2

Music reference Web sites 4

Teacher review 8

School buyers' checklist 8

School case studies 9, 10

Programming basics 11

Word processing basics 12

All students

Learning music

Linda Bruce reviews software which introduces music and musical instruments — for teachers and students!

Music makes us whole. One of the great contributions of multimedia is in the area of music education for it brings to the ordinary person musical concepts that they would otherwise be unlikely to encounter.

There remains a shortage of programs that teach sight reading and playing of musical notation. Music education, however, covers much more: music history, appreciation, understanding of form, rhythm and composition. In the latter areas the CD-ROMs reviewed here contribute most.

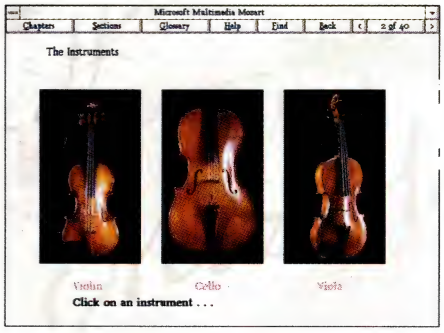
Microsoft Music Central 97

Music Central 97 lives up to its claims of being "the most comprehensive, closest-to-definitive multimedia popular music guide available".

It offers an up-to-date music reference ideal for school music departments and libraries. Though it lacks music samples, it contains text on an enormous diversity of music styles and artists. Pop and rock hits, children's dance, African, Hawaiian, country, rhythm and blues, jazz, folk, gospel, blues, rock, pop and world music, and many others.

It contains information on more than 80,000 albums and 8000 artists, including song titles and credits. You can check out musician's biographies, more than 5000 album reviews, and for school essays, 75 topical articles on major influences in music, musical styles and events.

Celebrity-guided tours provide artist's views of different music styles; Little Richard takes you to the roots of rock 'n' roll, whilst King Sunny Ade details the cultural flavour of world music. You can download additional guided tours free from the Music Central Online Web site (though you need to pay the usual online connection fee), avail yourself of free monthly updates and jump to Internet links for the latest music information. When you pick a group you like on the CD-ROM it recommends eight to 30 other performers you might also enjoy.



Microsoft Multimedia Mozart offers a fine learning experience.

Microsoft Musical Instruments

Where else can you discover hundreds of instruments from around the world and hear them played without leaving home? If you or your children are keen musicians, Microsoft Musical Instruments is a delightful reference.

Contents includes families of instruments, musical ensembles, music of the world and A-Z of musical instruments. From accordions to atumpans, guitars to gamelans, and zampognas to zurnas, they're here. Listen to its name pronounced and check out its photograph, anatomy, facts, origin, size, classification and the family of instruments it is related to. Better still, listen to it being played!

Text accompanying each instrument is of a reading age of 10 years and above — therefore older readers will gain more from this program.

You can search the CD-ROM by exploring musical ensembles, such as orchestras, wind bands, jazz bands, steel bands, gamelans, chamber groups and rock bands.

Instrument Families offers another entry: brass, strings, woodwind, keyboard and percussion. Each is subdivided. The keyboard family covers harpsichords, pianos, organs and synthesisers. The percussion family covers gongs, rattles, chimes, kettle drums, frame drums, jew's harps, wood blocks, xylophones, clappers, skin drums, scrapers, drum ensembles and cymbals.

Alternatively, search the index for a specific instrument or take the random tour.

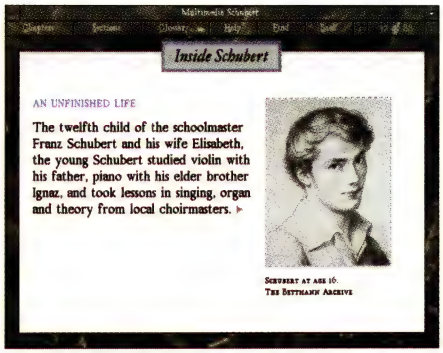
Microsoft Multimedia Mozart

This CD-ROM will give you a leg up into the 18th century and the world of Mozart. It's a terrific introduction to the man and his compositions.

In 1785, when he was 30 years old, Wolfgang Amadeus Mozart published six string quartets which he dedicated to his friend and mentor, Joseph Haydn. Throughout the 19th century, the most notorious of these six works was the String Quartet in C major, K. 465, dubbed the Dissonant Quartet. Today, it is still arguably Mozart's most perfect string quartet and one of the most popular works in chamber music. Now you can hear it and have it explained on CD-ROM.

Chapters on the CD-ROM of the Dissonant Quartet include: A Word from the Author, Pocket Audio Guide, The Instruments, Mozart's World, Quartet Listening, A Close Reading, Mozart Bibliography, and The Mozart Game.

Music scholar Michael Winter comments on the music and the Pocket Audio Guide displays an overview of the entire score so you can listen to any section instantly. You can learn about quartet composition, how the enlightenment in Europe


Inside Schubert
AN UNFINISHED LIFE
The twelfth child of the schoolmaster Franz Schubert and his wife Elisabeth, the young Schubert studied violin with his father, piano with his elder brother Ignaz, and took lessons in singing, organ and theory from local choirmasters.
SCHUBERT AT AGE 16.
THE BETTMANN ARCHIVE

Microsoft Multimedia Schubert explores the life and mind of the composer Franz Schubert.

created the context for his work, and how each of the instruments blend.

On the downside, though the CD-ROM includes verbal descriptions of sections of the score while it is played, it does not include the written notes themselves.

Overall, the CD-ROM is thoroughly enjoyable for novice and professional alike.

Microsoft Multimedia Schubert

Franz Schubert was born a schoolmaster's son in Vienna on January 31, 1797. In his early 20s he wrote *Die Forelle*, the song that inspired the Trout Quintet. *Die Forelle* compares a young leaping fish to the spirit of youth.

This CD-ROM of the Trout Quintet displays evocative commentary, by noted American music critic Alan Rich, on the score as it is played.

Charts show the shape of the music as you listen to it, presenting a sense of the symmetry and balance of each movement.

A Classical Background gives the historical and social context for the Trout Quintet, including reproductions of artworks that express the era. Inside Schubert takes you into the life and mind of the composer himself, exploring his talents and world.

You can use the Pocket Audio Guide to see an outline of the score and listen to any section you choose. You can also, while listening to *Die Forelle*, display the verse in German in which it is sung or in English. The first stanza translates as: "I stood on the bank, In sweet repose, and saw, The happy fish's bath, In the clear brooklet. The happy fish's bath, In the clear brooklet."

Finally, the trout game adds more value. In this challenge you match music themes by clicking stones from the riverbed. The reward

Editorial: Peer to peer networking

I had the opportunity just recently to meet with Toni Downes, associate dean in the faculty of education at the University of Western Sydney at Macarthur, who is in the final stages of her three-year research project into computers and children. While the first two parts concerned themselves more broadly with children's approaches and responses to technology, this third stage concentrated on a smaller survey sample, but widened its scope to also interviewing the parents and teachers of the children. It's an enlightening piece of research, highlighting some truths about gender difference and the technology haves and have nots which have hitherto only been anecdotal, but which need early intervention.

HELEN DANCER

Children whose family have computers in the home, have, generally speaking, the confidence and skills to use the computer, and as a result often dominate the use of computers at schools, she asserts. But when the school computing environment is one of heavy competition, ie when there are only very few computers for a number of students, the assertion becomes half true: that is, boy children do. Girls with the same competence and confidence tended to opt out, because competing to use the in-demand machine was, she noted, 'too much bother'.

When asked why they chose not to assert themselves in the classroom, these girls would typically answer that they preferred their own machine, that they were more familiar with their own word processor, or that the wait for their turn was too much of a bother, and that, when they finally got a turn, there was the hassle of being pressured to finish, so that the next person could have a go. Girls with access to home computers would simply rather spend time at home doing school-related computing tasks than doing them at school. Boys in the same 'technology rich' circumstances, however, used that confidence and competence to dominate the classroom computer.

It's not a new situation in education by any means. It's the same as children who arrive at school ready to read, Downes asserts, or who arrive at school already with counting skills. This is not, she emphasised, a phenomenon directly associated with 'the computer', but rather the dynamic of able children tending to dominate. In any Q&A, she said, the children with their hands up are the ones that know the answers. The ones sitting mum are the ones that aren't sure.

But while it's not a new phenomenon, it's one, she says, for which good teachers need to put strategies in place. And the number one strategy to avoid, she says, is the notion of the computer as a reward for finishing early. We don't promise extra maths classes as rewards for good kids, so why should we promise extra computer time? She says, not only is a perspective warping gesture, but it's more damaging when there's a shortage of computers in the classroom. You could say 'When you finish, just take out a book and read' she says, because chances are most kids have a book in their desks, but when finishing early is a modus operandi for competing for scarce resources, the risks are not worth the rewards.

Peer training is a good alternative, where 'technology rich' children are taught to train their peers who don't have computers at home. When you're training someone, says Downes, you have to sit on your hands and communicate with only your voice to maximise the learning experience for the other person. Thus the benefits to both parties are substantial: the one who doesn't have regular access to a computer gains knowledge and skills, while the benefit to the tutor is twofold. The moment you have to explain something to someone, it distils the information in your head and you know it more completely, and secondly the recognition of their skills builds self-esteem.

So while many schools are wrestling with the concept of networking their schools, a little human networking at the grass roots seems like another very worthwhile investment.

Internet education links: *Music*

1. Learning the guitar? **The Classical Guitar Homepage** has quality guitar music, notation, fingerings, and GIF and MIDI files to accompany them. It also suggests books, recordings and guitar-related links.
http://www.guitarist.com/cg/cg.htm

2. Is recorder playing the first step on the road to hell? **The Recorder: Instrument of Torture or Instrument of Music?** page by Nicholas S. Lander is a comprehensive Australian guide to recorder playing and teaching.
http://www.iinet.net.au/~nickl/torture.html

3. **K-12 Resources for Music** page has valuable resources for music teachers and students of all levels. Links for teachers of band, orchestra, choral, and classroom music. Composer biographies, newsgroups, MIDI resources, and hints on how to really listen to music.
http://www.isd77.k12.mn.us/resources/staffpages/shirk/k12.music.html

4. For excellent links on medieval musical instruments and medieval drama, dance, costumes, armour, paintings, manuscripts, weapons, newsgroups, bibliographies and performances try:
http://www.leeds.ac.uk/theatre/emd/linksp2.htm#MED

5. Check **Ars Nova** for music software reviews and demos, school-related files, tips on converting your keyboard into a "piano" and downloadable kids songs.
http://www.ars-nova.com/

6. For a friendly guide to children's music on the Net see the **Children's Music List**. Links include: Experience It! — Performers, Concerts, Theatre; Live Music!; Bring It Home! — Cassettes, CDs, Videos, Software, Sheet Music; Read About It! — Online Children's Music Articles and Reviews; Tune It In! — Children's Radio; Sing It Yourself! — Online Songbooks; Make a Living at It! — Resources for Children's Music Professionals; Teach It! — Music Education Links; and Enjoy It! — Fun Music Links for Kids and Families!
http://www.cowboy.net/~mharper/Chmusiclist.html

7. Most primary school teachers know 'Alice the camel'! Now you can check out its authors at **Judy and David Online**. There's an online songbook with words, some traditional children's songs and clips of their original songs as well. A great link to merge music and technology.
http://judyanddavid.com/

8. Classical music spans 1000 years and **The Classical Net** site is a good starting place to explore it. This page provides over 2000 links to classical music on the Net. It includes tutorials on music styles and forms organised from medieval to modern, information on composers, and CD reviews.
http://www.classical.net/

9. Remember the dramatic music from the helicopter scene in *Apocalypse Now*? That was Wagner's Ride of the Valkyries. Classical music is all around us in movies, on TV, in commercials. **RCA Victor's Idiot's Guide To Classical Music** features samples of the greatest and most recognisable themes in classical music, from Beethoven and Tchaikovsky to Vivaldi and Gershwin. The site gives you a taste of the CD. Both help you identify themes — a fun way to appreciate classical music.
http://www.rcavictor.com/rca/hits/idiots/cover.html

for playing the game is a finely trained ear and appreciation for Schubert's leitmotivs.

Microsoft Multimedia Stravinsky

Igor Stravinsky was born on June 17, 1882, into a land-owning Russian family. Igor Stravinsky began piano lessons when he was nine years old and at the age of 19 began to study composition with Rimsky-Korsakov, the father of modern Russian music.

Stravinsky had a turbulent life. He wrote the ballet score *The Firebird* in 1910 in France, and followed this in 1913 with *The Rite of Spring*. He spent the First World War in Switzerland and because the Russian Revolution erupted in March 1917, lived for most of the 1920s and 30s in France. In 1939 he and his wife emigrated to the US.

The Rites of Spring CD-ROM is introduced by scholar and pianist Robert Winter. Chapters include Pocket Audio Guide, Stravinsky's Orchestra, Stravinsky's World, The Rite as Dance, Rite Listening, A Close Reading, Bibliography, and The Rite Game.

From the Pocket Audio guide you can gain an overview of the composition and play any section you wish. Stravinsky's Orchestra describes the orchestra's composition and seating and Stravinsky's World introduces Russia in the late 1800s and events that shaped the composer's life. The Close Reading offers continuous written interpretation as the music is played and the Rite game tests you on music and passages from the CD-ROM.

Not all links worked seamlessly. On my CD-ROM, in the section on Seating of the Orchestra, you click on percussion, brass, violins, woodwinds, violas, cellos and double basses, to access descriptions and sounds of these. Sometimes these links worked, sometimes they didn't. I managed to access all eventually.

Despite this quibble, at $49, Stravinsky's The Rite of Spring CD-ROM is top value and a welcome addition to any library.

Microsoft Multimedia Beethoven

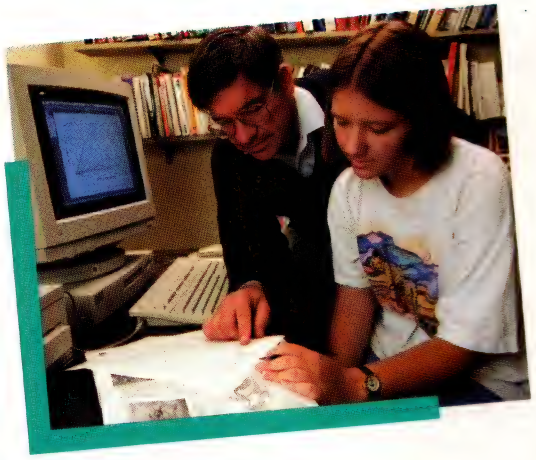
On May 27, 1824, Ludvig Van Beethoven, aged 53, presided in Vienna over the premiere of his ninth and last symphony. At the electrifying conclusion of his hour-long work, the audience broke into tumultuous applause. The totally deaf composer had his back to the audience. The alto soloist had to tug at his sleeve so he could turn around and see the ovation he had earned.

More than a century-and-a-half later,

COMPUCON TECHNOLOGY KEEPS YOU AHEAD

Gain the Advantage

The gifted & talented Compucon range of notebooks for Teachers and Students ...



Compucon Notebooks, with Intel® Pentium® processors, are fully featured, powerful mobiles that are superbly easy to use ... a must-have tool for teachers who want to gain the advantage (and keep ahead) in meeting the varied demands of this profession.

Complicated reports? Theses? Tracking individual student efforts and skills? Easy with Compucon!

As for students, creating professional looking assignments and projects has never been easier or quicker. Drawings? Tables? Design? You can do the lot on your Compucon Notebook!

Importantly, with Compucon you can specify the exact features and configuration that best meet your needs, not ours.

And because every Compucon Notebook is readily upgradable, it grows as your needs grow.

Don't settle on just any notebook ... get the full details from Compucon ... and put it to the test. Ask about power and performance. Ask about reliability. Ask about backup and support. Ask about warranties. Then you'll clearly see that to gain the advantage, you need the dependability of a first class notebook.

You need a Compucon.

Schools

Test it for free and see!

To secure a free demonstration notebook to use for two weeks, please ring (02) 94177166 and register. This way you can study the Compucon advantage first hand and make your own report.

That's COMPUCON for you.

***Quality you can depend on** doesn't have to cost a lot more*

Sydney Ph (02) 9417 7166 Fax (02) 9417 7329 **Melbourne** Ph (03) 9870 5567 Fax (03) 9870 8928 **Adelaide** Ph (08) 8374 1981 Fax (08) 8374 2827
Brisbane Ph (07) 3856 0999 Fax (07) 3856 0932 **Perth** Ph (09) 244 3400 Fax (09) 244 3405 **Auckland** Ph (649) 443 8088 Fax (649) 443 8222

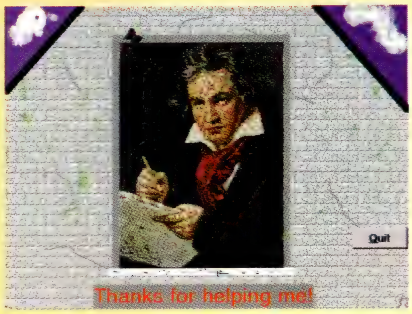
Notebook1

Shareware

BEST BUY

A Musical Tutorial 1.6-32

Registration: *$US25*
Overall value: ★★★★★



A Musical Tutorial is a fine introduction to learning how to read treble and bass notes and chords as well as to associate the notes with the appropriate piano keys.

The Piano Key game shows a piano keyboard. Above it is the bass or treble clef. A note appears written on the clef and the player must click on the corresponding note on the piano keyboard. If incorrect, the program says "Uh uh" and a face appears shaking its head. If correct, the note is played.

In the Musical symbol matching game you drag the written label to the music signs and symbols. The number of symbols is determined by your current play level, so even Year 10 students can learn a lot!

For musical appreciation you can choose from 21 classics ranging from Fur Elise (Beethoven) to Largo (Dvorak) and hear them played.

You can also play, view and print scales, chords and triads, print sight reading test papers, intervals, ear tests and key signatures.

Overall, A Music Tutorial is great value for money and an excellent way to encourage music study.

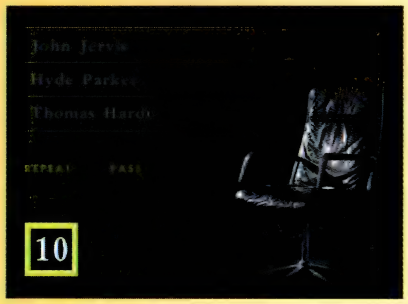
A Music Tutorial requires a 486DX, Windows 95, 8Mb of RAM and 3Mb of hard disk space. It is available on this month's PC User Plus CD-ROM (see page 3 for details) and can also be downloaded from our SchoolPC Web page at www.schoolpc.acp.com.au

by Alan Hilvert-Bruce

Mastermind

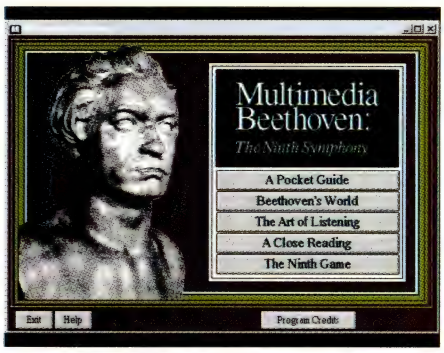
This CD-ROM of Mastermind is based on the BBC Television quiz with the host of both, Magnus Magusson, inviting you to take the chair. You can play individually to hone your skills, or against up to four friends. Contestants take the chair to face two minutes of specialised questions on a topic of their choice, plus two minutes of general knowledge questions. If you don't know the answer you can "pass" on a question, have it read again, or guess from a choice of slowly revealing options.

Simply and effectively designed, Mastermind contains over 5000 questions and 50 subjects to choose from, including science, medicine, earth science, geography, chemistry and physics, classical music, literature and art, to mention a few. The quiz reflects the pressure of time and judgement. You'll have fun and feel your knowledge expand every time you play. Quite good value at $69.95.



millions still hum the tune that he wrote to Friedrich Schiller's poem *Ode To Joy*. In the 70's a disco version of this, *Song Of Joy*, soared to the top of the pop charts.

Microsoft Multimedia Beethoven presents chapters to give an overview of the man and his works. The entire CD aims to inform and entice you and to a large extent succeeds. The Pocket Guide lists the Sonata form, Sectional form and Sonata-Concerto forms for you to explore and play.



Microsoft Multimedia Beethoven presents a captivating overview of the man and his works.

You can explore musical themes, hear selected orchestral instruments, gain an overview of symphonic form, hear an in-depth analysis of each movement and try an interactive quiz.

What the Beethoven CD-ROM offers what the others don't is selections of the actual music score itself. You can see musical notation and play it, rather than just hearing each section.

This CD-ROM is, however, harder to find your way around than the others in the series. Even more difficult for research, you can't copy text or print.

Finally, there seems to be a missing page of text in Beethoven's introduction. Even so, at $49, it remains a captivating introduction to Beethoven's Ninth Symphony.

The Cranberries: Doors and Windows

This Cranberries CD-ROM retails for $49.95 and offers five songs, plus video clips. You can play it as a CD-ROM on your computer or as a straight CD on your audio player — though remember to skip the first track or it may damage your system.

On the computer, The Cranberries CD-ROM takes a good five minutes to find the list of songs to play — and that's after you have loaded it. But if it's more than songs you want, visit The Cranberries in the pub, listen to them talk about getting drunk, see video clips of them on tour and play their songs against the cut-out studio background.

The Cranberries CD-ROM would be vastly improved if it modelled more on the Microsoft composer series, focussed on the group's music, and included musical notation and words to each song.

The songs are terrific; reminiscent of Pearls Before Swine and the Roches. The Cranberries have created music you can listen to and dance to at the same time.

Generally, however, The Cranberries

"THE MOST INNOVATIVE HOME MOVIE IN DECADES, FIVE STARS."

★ ★ ★ ★ ★

"A triumph for Jane's mum in her directing debut." Dad.

"Unforgettable. Fantastic use of cuts, dissolves and wipes." Grandma.

"The narration from Jane's father is a masterpiece." Mum.

"How come there aren't any shots of me?" Jane's brother.

"A great film. It's wonderful!" Uncle Al.

Jane's Fifth Birthday

G

APL9681

If you've ever fancied yourself as a Spielberg or a Tarantino, have we got news for you.

The Apple Performa 6400 now lets you make professional-looking movies at home.

It has a cinema editing system just like the ones used by Hollywood's top directors.

So you can edit professionally using cuts, wipes and dissolves. You can add titles and credits. You can even add sound effects and music.

And while you can make great movies, they won't become Cecil B DeMille epics. Because the Apple Performa 6400 is very easy to use.

To start your first blockbuster, may we suggest you take the advice all directors offer to temperamental actors.

Act now.

For more information phone 1 800 025 355 or visit us on the internet at http://www.apple.com.au/

Give your dreams a chance.

Music software compared

Title	Auralia	Music Time	A Musical Tutorial	Microsoft Multimedia Mozart	Microsoft Multimedia Schubert
Age range	8-18 years	8-18 years	10+ years	13+ years	13+ years
Skills	Ear training	Scoring and composition	Music reading	Music	Music
List price	$299 (site licence $1495)	$199 (16 copies $50 ea.)	$US25	$49	$49
From	Intelliware (08) 8271 9662 http://www.intelliware.com.au	Intelliware (08) 8271 9662 http://www.intelliware.com.au	Ronald Swerdfeger http://www.datacom.ca/~ron	Intelliware (08) 8271 9662 http://www.intelliware.com.au	Dataflow (02) 9417 9710 http://www.dataflow.com.au
Publisher	Rising Software http://www.rising.com.au/	Passport http://www.intelliware.com.au	Datacom E-mail: ron@datacom.ca	Microsoft http://www.microsoft.com	Microsoft http://www.microsoft.com
Relevance to Australia	★★★★★	★★★★	★★★★	★★★★	★★★★
Suitabilitiy for schools	★★★★★	★★★★★	★★★★	★★★★★	★★★★
Friendliness	★★★	★★★★★	★★★	★★★★	★★★★
Multimedia	★★★★	★★★★	★★★★	★★★★	★★★★
Reference	N/A	N/A	★★★★★	★★★★	★★★★
System requirements	Windows 3.1, 386SX/20, 4Mb RAM, 8Mb hard disk space, soundcard, mouse, network-ready	Macintosh Performa 580, floppy drive or CD-ROM	Windows 95, 486DX, 8Mb RAM, 3Mb hard disk space, soundcard	Windows 3.1, 386SX, 2Mb RAM, 30Mb hard disk space, CD-ROM drive, soundcard, speakers or headphones	Windows 3.1, 386SX, 4Mb RAM, 4Mb hard disk space, CD-ROM drive, soundcard, speakers or headphones
Overall value	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

CD-ROM is for cashed-up fans only. Educational value is minimal. If you like their music — as I do, you get better value by purchasing their audio CD instead (twice as many songs for $20 less).

The Juillard Music Adventure

A package for kids nine years and older, Juillard Music Adventure introduces rhythm, melody, orchestration and musical styles. Produced by the Juillard Music school in the US, the quest to save the Queendom contains five sections over three difficulty levels.

First in the Blacksmith's Armoury you create complementary rhythms to earn a key. This section has quite advanced rhythms — even for beginner percussionists!

Next, in the Princess's Bedroom you use the Melody tool to help the princess remember her lost melody. Finished? Play your composition against your pick from three animated scenes, earn a key and unlock the first door for even more puzzles.

Hang out with The Cranberries on tour in The Cranberries: Doors and Windows.

Strengths of the game include the setting of a castle and a quest, and the quality music learning built into each puzzle. The game automatically saves the level you have reached if you accidentally exit.

Shortcomings are that directions for solving puzzles and earning keys could be clearer, and it's too easy to click the Exit button instead of the directional sign when you're trying to leave a room.

Playing Juillard Music Adventure will challenge students over nine to develop their knowledge of rhythms, melodies and compositions.

Adventures With Edison: Rock and Bach Studio

At $39 this CD-ROM offers top value for money, for it includes one game to develop music — Rock and Bach Studio, plus two to develop thinking skills — Mystery at the Museums and Wild Science Arcade.

Rock and Bach Studio is a quality music game for nine- to 12-year-olds. It approaches music from a group perspective across activity rooms that include Auditions, Drum Clinic, Harmony, Instrument Room, Music Library, Sound Library and Video Studio.

Different children favour different rooms. "I love the sound studio where you choose a sound, and add echo, filter and reverb," said 10-year-old Sam.

In the music library you learn about classical composers and instruments. My favourite was the harmony room. Here you combine keys, chords and riffs and play them back. Chords are also highlighted as the notes you would play on a keyboard and on a guitar.

First you can choose a chord, then click on variations of the chord, such as Augmented, Diminished, Minor, Major, Dominant 7th, Major+ 7th, Dominant 6th, Minor 9th and so on, and the notes change. You can play the chord straight or in eight different riffs. Look at the chord on the computer and then play it on the piano!

You can form bands from different musicians, playing blues, country, rock and pop. Choose the instruments you want, then turn all of them off, program and hear the one you want, and then add the others one at a time.

In the Rock and Bach Video Studio you create and play your own musical videos, complete with special effects and lights. First you make the song and choose the band. Then you choose the backgrounds, the special effects and the people you want in the video. Then you view the video and look at all the hard work you've done.

Rock and Bach Studio will increase your understanding of instruments, orchestras, rhythm, chords, harmony, and how bands play together.

One drawback is, though Rock and Bach Studio will extend your chord knowl-

Microsoft Multimedia Stravinsky	Microsoft Music Central 97	Microsoft Musical Instruments	Microsoft Multimedia Beethoven
13+ years	13+ years	10+years	13+ years
Music	Music	Music	Music
$49	$49	$49	$49
Dataflow (02) 9417 9710 http://www.dataflow.com.au	Dataflow (02) 9417 9710 http://www.dataflow.com.au	Dataflow (02) 9417 9710 http://www.dataflow.com.au	Dataflow (02) 9417 9710 http://www.dataflow.com.au
Microsoft http://www.microsoft.com	Microsoft http://www.microsoft.com	Microsoft http://www.microsoft.com	Microsoft http://www.microsoft.com
★★★★	★★★★	★★★★★	★★★★
★★★★★	★★★	★★★★★	★★★★★
★★★	★★★★	★★★★★	★★★
★★★★	★★★	★★★★★	★★★★
★★★★	★★★★★	★★★★★	★★★★
Windows 3.1, 386SX, 2Mb RAM, 30Mb hard disk space, CD-ROM drive, soundcard, speakers or headphones	Windows 95, 486DX/33, 8Mb RAM, 500Kb hard disk drive, Super VGA, double-speed CD-ROM drive, soundcard	Windows 3.1, 386SX, 2Mb RAM, 2.5Mb hard disk space, CD-ROM drive, soundcard, VGA, headphones or speakers	Windows 3.1, 386SX, 2Mb RAM, 30Mb hard disk space, CD-ROM drive, soundcard, VGA, headphones or speakers
★★★★	★★★★	★★★★★	★★★★

edge, you can't program and play back individual notes. It will not improve children's musical sight reading ability. Another shortcoming is that though all games on the CD-ROM ran well on Windows 3.1, Wild Science Arcade would not run on Windows 95.

Nevertheless, Adventures With Edison: Rock and Bach Studio is an excellent musical package that kids and adults can enjoy and learn from.

Microsoft Plus! For Kids

Microsoft Plus! For Kids provides games, plus a central location for parents to control which programs and files their children can access.

The music section, Play It, offers an on-screen synthesiser where you can select songs to play: boogie, country, dance, funk, hip-hop, jazz, orleans, reggae and rock. Choose from 15 bands to perform them, from woogie and mango to rave and new age. Instruments? Select from flute, guitar, marimba, organ, piano, saxophone, synthesisers and trumpet. You can record your own songs and edit them.

Picture Picker contains hundreds of pictures: birds, bugs, dinosaurs, insects, reptiles, water creatures and backgrounds for you to copy and paste into files elsewhere.

In Talk It you type in your text, click on the voice you want and it reads or sings the words you have written back to you. Voices include singing girl, singing boy, man, woman, child, little man, strong woman, strong man and so on. Fun and educational.

Lastly, Protect It allows parents to quickly and easily set up a customised profile for each member of the family. Once the profiles are set, kids will not be able to access important data, accidentally delete files or change computer settings. Protect It also allows parents to set Internet restrictions.

Overall, at $49, Microsoft Plus! For Kids is great value for kids over 10 years of age.

Music software compared (continued)

Title	The Cranberries: Doors & Windows	The Julliard Music Adventure	Adventures with Edison: Rock and Bach Studio	Microsoft Plus! For Kids
Age range	13+ years	9+ years	7-14 years	10+ years
Skills	Music	Music	Music and logic	
List price	$49.95	$69.95	$39	$49
From	Dataflow (02) 9417 9710 http://www.dataflow.com.au	Dataflow (02) 9417 9710 http://www.dataflow.com.au	Tech Pacific (02) 9381 6000 http://www.dataflow.com.au	Dataflow (02) 9417 9710
Publisher	Island Records/Philips Media http://www.philipsmedia.com/music/	Theatrix http://www.theatrix.com/	Corel CD Home http://www.corel.com	Microsoft http://www.microsoft.com
Relevance to Australia	★★	★★★★	★★★★	★★★
Suitability for schools	★	★★★★	★★★★★	★★★
Friendliness	★	★★★	★★★★	★★★★
Multimedia	★★★	★★★★	★★★★	★★★★
Reference	★	★★	★★★	★
System requirements	Windows 3.1, 486/25, 4Mb RAM, 16-bit soundcard, VGA, double-speed CD-ROM drive Mac: System 7.0 68030, 4Mb RAM, 256-colours, double-speed CD-ROM	Windows 3.1, 486, 8Mb RAM, double-speed CD-ROM drive, 16-bit soundcard, speakers Mac: System 7.0 68030, 8Mb RAM, CD-ROM drive, 256-colours	Windows 3.1, 486/33, 4Mb RAM, SVGA, CD-ROM drive, hard disk drive, soundcard	Windows 95, 486DX/33, 8Mb RAM, 32Mb hard disk space, CD-ROM drive, 256-colours, mouse, soundcard
Overall value	★	★★★	★★★★★	★★★★

Primary

Review from the Chalk-Face

Linda Bruce speaks to Gordon Scott, teacher of Year 3 at Canberra Grammar School, about using Thinkin' Things 3 in his classroom.

Thinkin' Things 3

Age: 7 to 13 years
Suitability to Australia: Very good
Suitability to Australian schools: Very good
List price: $79.95
From: Dataflow (02) 9417 9700, http:\\www.dataflow.com.au
Publisher: Edmark http://www.edmark.com/prod/
Windows requirements: Windows 3.1, 486SX, 33MHz, 2Mb free hard disk space, 8Mb RAM, Super VGA graphics, 640 by 480 resolution, 256 or more colours, double-speed CD-ROM drive, soundcard (optional: Microphone, Edmark TouchWindow)
Macintosh requirements: System 7.0.1 68030or 68040, 4Mb RAM, 1900Kb unused, 5Mb for System 7.5 or later (8Mb highly recommended), 13in monitor or larger, 256 or more colours, double-speed CD-ROM drive (optional: microphone, Edmark TouchWindow)
Overall value: ★★★ ½

Thinkin' Things 3

Thinkin' Things 3 offers five interactive activities which promote problem solving skills, analysis, observation, deduction and action. It is bright and eye-catching with great sound effects to keep students interested in the task at hand. The ability to change skill levels is a great feature allowing children at different stages of development to complete similar tasks.

Installation was simple as the program ran straight from the CD-ROM. Activities were Stockopus, The Case Of The Empty Fripple House, Half Time, Carving Blox, and Photo Twister.

Thinkin' Things 3 curriculum aims

- Strengthen deductive and inductive reasoning.
- Analyse and synthesise information.
- Examine and interpret evidence.
- Build early computer programming skills.
- Predict a series of outcomes.
- Identify relevant information.
- Explore gravity, friction, motion and inertia.
- Interpret and test rules.

Stockopus: This activity requires the user to trade goods with other stock markets to reach a certain combination of goods in your own stock. The program is very easy for the user to understand and access the information necessary to trade effectively. The advanced levels are quite challenging as they require you to trade wanted goods for unwanted goods in order to complete the task.

The Case Of The Empty Fripple House: An excellent activity for children to develop their powers of deduction and process the given information to send the fripples to the correct home.

Half Time: Although it is very 'American' in presentation, the concept of design and sequencing of commands is an excellent way of developing simple programming skills, keeping very much the 'fun' aspect. You can play Fripple Place live online at http://www.edmark.com/

Carving Blox: As with the previous three activities, Carving Blox was enjoyable to manipulate and experiment with. This challenging activity, exploring concepts of inertia, friction and motion, is more appropriate to Years 7 and 8 than primary school.

Photo Twister: I don't know why but I tried this on two computers and it would not open.

Overall, I thought the first three activities were excellent. They allowed teachers flexibility and students great opportunities to develop thinking skills and computer competence. The program easily fits into school curriculum in maths and/or problem solving. It is suitable for Years 3 to 6 and beyond.

The program represents very good value for money as each activity is like a new program.

School buyers

School buying tips for notebook PCs

Jeremy Torr provides a checklist on how to buy smart for your school.

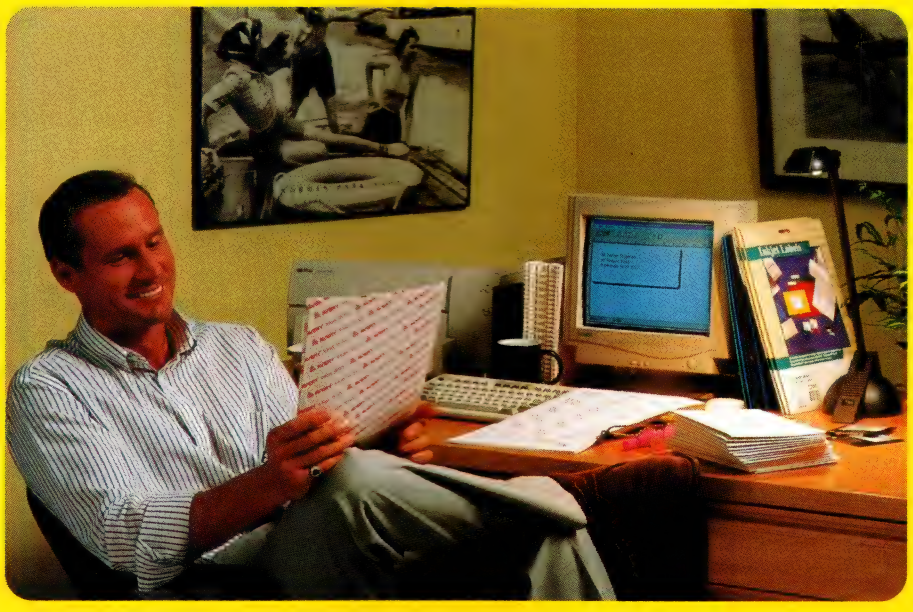
Today, any school worth its salt will be looking at the possibility of buying notebooks for its students. The general pervasiveness of mobile computing, the availability of the equipment and the benefits to the students all get flagged as big ticks on the "should we, shouldn't we" notebook balance sheet.

But before rushing out and buying the latest Pentium-equipped full-colour machines for use in the classroom, it is worth sorting out a few basic parameters that will ensure your purchases — assuming you do opt for a computing solution — will offer most benefit to most people.

Compatibility

The first thing to remember when looking to purchase a range of notebooks for school use is compatibility. If your school is a fully net-

Say goodbye to fiddly, annoying label set ups. Say hello to your free Avery Label Buddy™ Kit.



FREE! AVERY LABEL BUDDY KIT - THE EASY WAY TO CREATE LABELS ON YOUR COMPUTER.
Your free Avery Label Buddy Kit contains free Avery LabelPro™ for Windows™ software.
With Avery LabelPro for Windows software creating labels is simple, fast and convenient. No more fiddly, irritating setting up for labels.
That's why we want you to use Avery LabelPro for Windows software and make up your own mind. It lets you format and print a huge variety of labels, business cards, index products... in seconds.

HOW MUCH?
Your free Avery Label Buddy Kit costs you... **nothing**. Just use the Freecall number* and we will send you a free Avery Label Buddy Kit. **OR** Fill in this coupon and fax it to Avery on (02) 9935 8983.
HERE'S THE CATCH.
Once you have discovered how easy Avery LabelPro for Windows software makes creating all types of labels you'll never be able to go back to the frustrating, slow old style of label making. Sorry!

Call now 1 800 801 313

YES...
Send my FREE AVERY LABEL BUDDY KIT to the following address..

Name _____

Title _____

Company _____

Address _____

_____ Postcode _____

Phone _____

Fax to 02 9935 8983.*

Webster & Co AVD5244

Avery Dennison Australia Limited
ACN 000 222 024
95 Bonds Road, Punchbowl, NSW, 2196.

AVERY DENNISON

Offer available to Australian and New Zealand residents only.
*NZ residents please request your Avery Label Buddy Kit by faxing coupon to 0011 61 2 9935 8983.
Avery, LabelPro and Label Buddy are registered trademarks or trademarks of Avery Dennison Corporation.Microsoft and Windows are registered trademarks of Microsoft Corporation.

Case Study: *Canberra Grammar School*

Computers and music at Canberra Grammar School

"Working with computers and composition," says John Gilbert, Director of Music at Canberra Grammar School, "is one way we lead boys to a greater understanding of music. Through composition the students learn about music theory, performance practices, how scores are constructed, and how music is put together."

At Canberra Grammar School, all children are involved in music throughout the primary school and from Year 7 to 12 as an elective. John and I are standing in the middle of a Year Nine music class. Three withdrawal rooms lead off the central classroom. Each room has clusters of keyboards and computers, and every computer has Music Time installed on the hard disk. Approximately 12 computers have keyboards attached. Every boy is composing and playing music and it's so quiet you can hear a magpie carolling outside. That's because all the students are engrossed — plus they are wearing headphones.

"We've been using computer programs with music on and off for about 10 years" says John. "But I was frustrated because initial programs were far too basic. I was impressed with Music Time because it used an in-built synthesiser. You don't need a midi interface and you don't have to buy a keyboard for every computer. So we can take a class down to the Mac lab where we have 15 Mac computers and they can all plug their headphones in and experience working with music. The sound is not ideal but it gives them the idea."

While John continued teaching, Year 9 student Henry Weber, showed me the songs he had created. "You can type notes in manually, but normally it's easier to play the music on the keyboard. If I type it in by hand, however, it's slower but more accurate."

There are over 100 instruments to choose from, Henry explained, ranging from acoustic piano to fiddle and tubular bells to gunshot. You can have 16 voices at once — four on each line. Rather than having personal floppies, Henry saves his composition to the computer's hard disk.

"With the Music Time program," says John, between classes, "you can do real-time recording or enter it step by step, bar by bar and note by note. Boys who know nothing about music prefer to enter it step by step because they don't know how to play a keyboard. Once they understand the program they can start making music. Others, like Henry, input from the keyboard first, then tidy it up onscreen."

Year Nine student Henry Weber working with Music Time.

From John Gilbert's point of view the Microsoft Composer series are a bit of a gimmick. "They're too superficial and a good teacher can teach it to the whole class in a much more effective way. He believes, however, these programs may be useful if a primary school teacher wants to extend a child who has a particular interest in music.

by Linda Bruce

worked Mac haven, it is pretty pointless being persuaded by a silver-tongued IBM-compatible salesman that Windows is the way of the future. That may well be the case, but any purchasing decision should be based firmly on a well worked out IT (information technology) strategy rather than a simple balance sheet proposal. If your school uses a centrally-based file server with networked desktop PCs for other aspects of teaching, then some form of network capability is essential in the notebooks. This could be in the form of a built-in Ethernet or AppleTalk function, or it could be a simple card slot to allow card format network adaptors to be used. Either way, upgrading software, downloading student work and software inventory and virus checking will all be made much easier.

Support

The next most important aspect should be support. Whilst the bottom line is obviously a substantial element, it should not be the 'be all and end all'. If the machines you have opted for need any repair or warranty work, having to send them to Taiwan for a couple of months for a new screen hinge is obviously untenable. Poor or slow service will also negate any cost savings you may have made on the original purchase deal. Local support and cast iron warranty service parameters are essential, so either ask the local education department or other schools for their recommendations and advice. A track record is almost a prerequisite in this area.

Upgrade path

Whilst looking at the support aspect, check out the upgrade paths available. Remember notebooks are always harder and more expensive to upgrade than desktops, so ensure you are not walking backwards into an upgrade dead-end. Being lumbered with a classroom full of notebooks with insufficient RAM and no upgrade path is frustrating to say the least.

Features

Whilst most buyers in the school notebook market are as keen to get the best power and facilities as the next user, it is more sensible to consider fitness for use than sheer grunt as the benchmark. Most school notebook use will centre around word processing, spreadsheet and database applications. Consequently, the advantages of a full-colour screen, a CD-ROM drive and 32Mb of EDO RAM are less obvious than a clear screen and good keyboard. Mono screens are cheaper, less likely to fail on a per pixel basis and make game playing much less fun — a worthwhile consideration on any educational machine!

Additionally, special modular units such as hard drives and CD-ROM drives or

Corel Goes Academic!

Great Software for Great Minds!

Introducing the future of software that educates...

Corel's revolutionary new academic product† line was designed with education in mind. It offers amazing value for eligible educational institutions, along with all the power and versatility you've come to expect from Corel products. Available directly through Corel Authorized Academic Resellers, these academic shrink-wrapped products on CD-ROM are actually full retail product versions‡, priced specially for the educational field. Take advantage of the huge savings in the Corel academic product line and get back to the business of learning.

†Those eligible to purchase academic products: accredited schools, faculties, students (post secondary), senior citizens, hospitals, supervisory organizations, libraries, museums, non-profit organizations and correctional facilities as outlined in Corel's educational institution definition.

‡The academic version of Corel® WordPerfect® Suite has been slightly modified from the full retail version. Manuals sold separately.

CorelDRAW™ 6

CorelDRAW™ 6 is an incredibly fast and powerful 32-bit Windows® 95 graphics application offering fully featured applications for illustration, photo editing and bitmap creation, business and multimedia presentations, 3D rendering and animation.

Corel® WordPerfect® Suite 7

With world-class applications, graphics power and Internet connectivity, Corel® WordPerfect® Suite 7 for Windows® 95 redefines the office suite and fits the way you work today—perfectly.

No telephone or other support is included for Corel WordPerfect Suite 7 - Academic Edition.

COREL WordPerfect Suite 7

Corel® Office Professional 7

Offering a new dimension in power, functionality and Internet support, Corel® Office Professional 7 is the *first* office suite that allows you to publish to the Java™ language using Corel Barista™ technology.

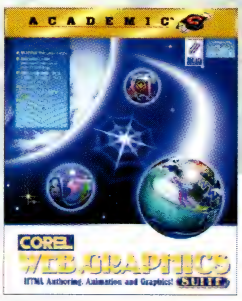
COREL Office Professional 7

Corel® Click & Create™

Corel® Click & Create™ is a powerful multimedia authoring tool that lets you develop your own CD-ROM games, multimedia titles, corporate presentations, screen savers and more!

Corel® WEB.GRAPHICS SUITE

Corel® WEB.GRAPHICS SUITE is an all-encompassing Web publishing package that makes creating compelling home pages for the Internet or company intranet incredibly intuitive—ideal for novices and professionals alike.



Discover Corel's academic line today!

Corel and WordPerfect are registered trademarks of Corel Corporation or Corel Corporation Limited in Canada, the United States and/or other countries. Windows is a registered trademark of Microsoft Corporation. All other product and company names are trademarks or registered trademarks of their respective companies.

CITY SOFTWARE
Unit 3 Slough Estate, 45 Gilby Road
P.O. Box 697, Mount Waverley Victoria 3149
Phone - (03) 9558 9555 Fax - (03) 9558 9900

COREL WTA TOUR
Corel, Official World Title Sponsor of the COREL WTA TOUR

COREL

KUR-0354-UK

www.corel.com/education
Corel Customer Service Centre
Tel: 1-800-658-850
Fax: 02-9905-6870

Case Study: *Canberra Grammar Junior School*

Computers and music at Canberra Grammar Junior School

"Composition is the main reason we use computer programs," says Helen Swann, Director of Music in Canberra Grammar Junior School. "The Senior School Music department purchased Music Time at the beginning of 1996 and we put it in the Mac labs in mid-1996. I find it the easiest and most enjoyable way of teaching primary school music composition."

The main screen of Music Time shows a music score. You choose the key, any time signature you wish — even 10/16, and note value. Then click on the stave to place notes and the computer plays your creation. When you plug a midi keyboard in, the music you play is written for onscreen. Beethoven would have loved it!

You can change your whole piece into another key, move it from bass to treble clef, and transpose it. You can choose instruments; there are a few on the built-in synthesiser and over 100 available if you attach a keyboard.

For younger kids it would be ideal to have keyboards attached because you do it in real-time input. They play something they think sounds nice and it comes up on computer how they played it.

"We have a piano score onscreen but you can select just one melody line," Helen explains, "so it can be used by children just learning a single line. Of course, the kids get on there and create runs of 16 notes. Having time to play helps motivate them; then I give them a specific project."

Helen starts using Music Time with fifth and six graders: "They have a lot of fun and learn how music notation works just by playing with the note values but for deeper understanding, preparation is very important."

After fifth grade had free play, Helen asked them to write a tune using only three notes they could play on an instrument and using only note values they understood. They wrote it by hand before inputting it. "When they do that, they understand. I gradually give them more difficult exercises."

Year 6 students Scott Griffith, Tim Kent and Nathan Webster work with Music Time.

The first step on the computer for sixth graders was to give them help sheets and see what they came up with. Some of them chose a song from their folder and reproduced the music. That's a different skill again.

"I was amazed how motivated they were," says Master In Charge of Computing in the Junior School, Tony Laudenbach. "They loved to get down there and start manipulating, then write and print it out!" Helen is not surprised. "Deep inside, boys love music!"

by Linda Bruce

modems which slide out will get slid out much more than the designers probably expected ("Look, all you do is push this button and the whole drive pops out! Oops, it's fallen on the floor!") — with a proportionally higher potential for breakage or failure. The most central design issues for any school notebook should be ruggedness and battery life. Having to cart a power supply round in the schoolbag will incline many users to 'forget' their notebook and leave it at home. Without even considering the logistical headaches of plugging in 25 or so power supplies in one classroom. And if the chosen units show any propensity towards shedding keyboard keys or cracking cases when flung across the floor in a schoolbag, then look for units that have a proven track record of resisting abuse.

Choosing a notebook for school use is not hard, but given the right preparation, can be easier than you think. Just get the parameters right first, and make sure you are buying for a purpose, not to a specification.

Financing

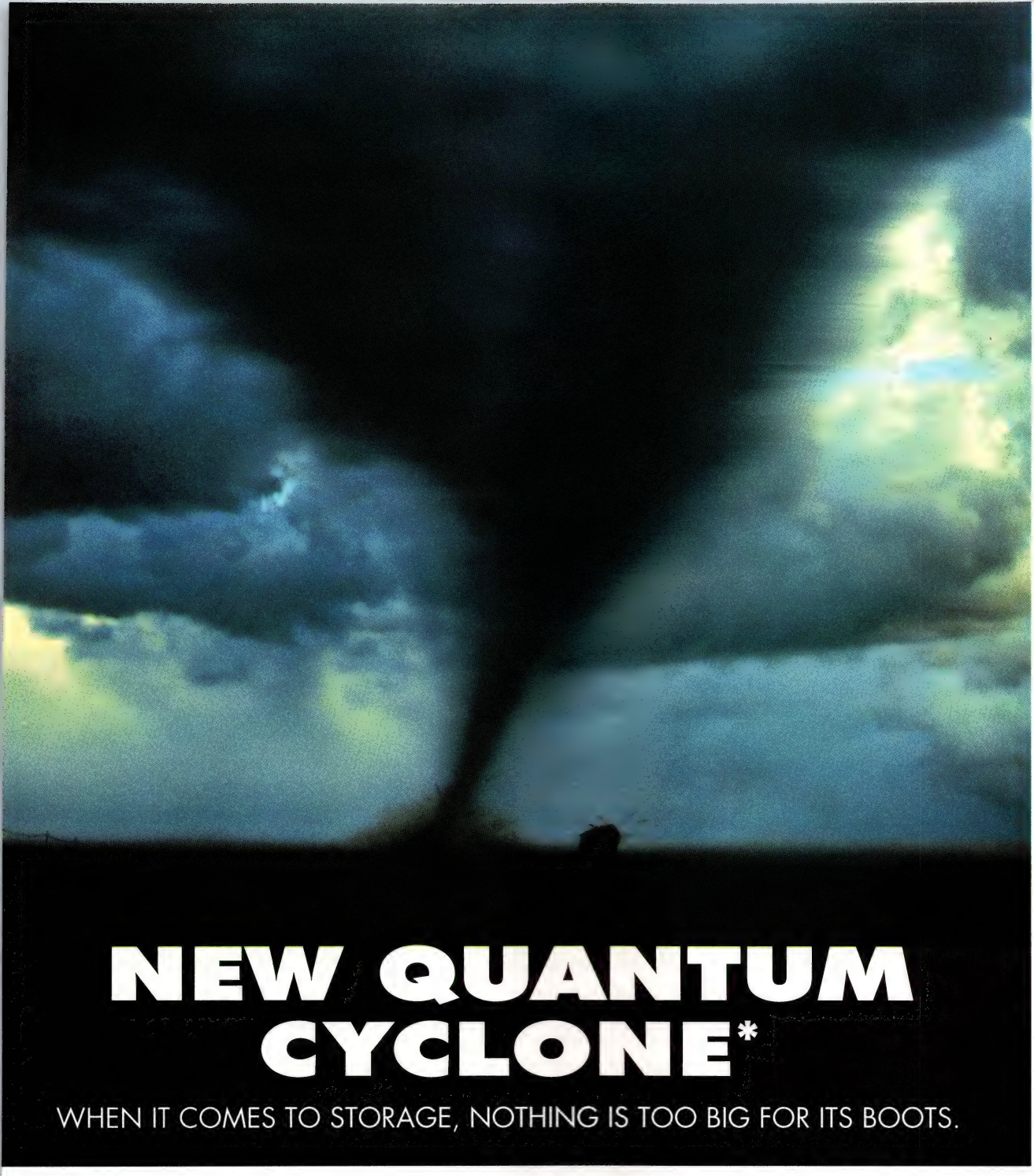
Rental schemes are emerging as an attractive and cost effective way of getting notebooks into your school. The advantage of this type of system is that the school can offset all its costs directly into the equipment, but can also pass on a proportion of its costs to the parents. This allows the maximum tax advantage to the school, but ensures the end users can get a reasonable rate too.

The other option, buying, is less attractive to most schools as the life of the equipment — around three years in financial terms — will require some fairly hefty writing down to ensure the school does not get left with outdated equipment before it has been paid for.

Note also that individual parents cannot claim any tax concessions on equipment bought for their school children. Schools with very active PTAs can often subsidise the rental or purchase of equipment. However, the best approach seems to be for the PTA to underwrite the software and ancillaries such as consumables, Net access and so on, as these are harder to account for and write down.

Many companies, such as Toshiba and NEC, offer the option for the schools to sell the notebooks at the end of the set rental period. This allows the students the chance to keep the machine they are familiar with when they leave school, and at a reasonable price. Most major rental and financing companies also build a good insurance policy into the rental deal. This means the inevitable knocks and scrapes will not financially impact the overall viability of the notebook scheme.

by Jeremy Torr



NEW QUANTUM CYCLONE*

WHEN IT COMES TO STORAGE, NOTHING IS TOO BIG FOR ITS BOOTS.

Quantum
BIGFOOT™

GREAT VALUE DISK DRIVE FOR MULTIMEDIA APPLICATIONS

CAPACITIES
2.1/4.3/6.5 MB

INTERNAL DATA RATE
Up to 92.6 Mb/SEC

MAX. DATA TRANSFER RATE
16.6MB/SEC

AVERAGE SEEK TIME
<12/<14 ms

BUFFER SIZE
128 KB

WARRANTY
3 YEARS

INTERFACE
FAST ATA-2

COMPUTERWORLD ANNUAL AWARDS 1996

If you're looking for a drive whose large capacity can deliver exceptional sequential performance for multimedia applications, then Quantum Cyclone 5.25-inch hard disk drive is the drive for you. A drive which combines MR advanced recording technologies for better performance with the increased data area of 5.25-inch disks. What's more, the drives are available in three formatted capacities of up to 6,510 megabytes. Get the value-for-money product which will never put you on the wrong foot.

* Cyclone is the latest generation of Bigfoot drives.

Yes NetWare. S·M·A·R·T SYSTEM FAST ATA | Quantum® CAPACITY FOR THE EXTRAORDINARY™

To receive a fact sheet about the Quantum Cyclone Hard Disk Drive please complete this coupon and fax it back to (02) **9736 3611** or post coupon to Electronic Resources Australia, 9-11 Leeds Street Rhodes NSW 2138.

Name _____

Company *if applicable* _____

Address _____

_____

_____ State _____ Postcode _____

Tel _____ Fax _____

Distributor
Electronic Resources Australia

NSW Tel 02 9736 3688
QLD Tel 07 3846 2882
VIC Tel 03 9646 9388
NZ Tel +64 9 522 0144

Visit website http : //www.quantum.com for more information.

Secondary

Programming basics

Mark Simon begins our tutorial series on programming.

The job of a programmer is to analyse a task, break it into small components, and to write instructions for the computer. The instructions, before they are ready to be executed on the computer, are often referred to as source code.

This code must be expressed in terms of a language which the computer can understand.

Programming in the beginning was a much more difficult task. Deep down inside, a computer is made up of millions of switches. Each switch is either on or off, and is represented by numbers made up of the binary digits (bits) 1 or 0. Early programmers had to enter the bits for programs by flicking switches.

Programming these numbers directly into the computer is referred to as machine language, as it is directly switching the machine's switches. It is also referred to as a low-level language, because it deals directly with the electronics of the machine.

But since programmers think in words and not numbers, it is much easier to work with a word or abbreviation for that instruction. These simple words are called mnemonics. Programming using mnemonics is called assembly language, and this is also a low-level language, though since it is more abstract than dealing with binary digits, it is often referred to as a medium-level language.

There are many problems with machine and assembly languages. First, they are very tedious. Because of the type of detail needed for the computer, it may take many instructions to perform a simple task such as adding two numbers together.

Hand in hand with this is the fact that it is very difficult to follow the code that you have written because of the fine detail. Another fundamental problem is that they are machine specific; that is, each type of computer has its own available instructions, and its own numbers which represent these instructions.

Most importantly, although computers respond very well to minutely detailed binary instructions, humans don't think the same way.

What's 'high-level'?

A high-level language is so called because it is much more abstracted than a low-level language. In fact, one instruction may represent many low-level instructions. Usually, the entire program is translated, then to be executed when the time comes. A program which does this is called a compiler.

Sometimes, it is convenient to have the instructions translated and executed one at a time, on-the-fly. This is called interpreting the program. This makes it easier to try out small sections of code for testing and learning.

However, it is not very efficient, as the translation can't take any shortcuts, and often must re-translate the same line many times as the program runs. Also, the program then depends on the interpreter every time you want to run it, and so will not stand alone.

High-level languages have been around for many decades. Early examples include Fortran and Cobol, still in use in many areas. Languages which were designed to make programming easy to learn include Pascal and Basic. Basic was very popular when personal computers became available about 20 years ago, since it was built into almost all of them. Some newer languages, such as Visual Basic, were designed just to make programming easy. Today the programming language used by a large proportion of programmers in the industry is C, or its modern derivative, C++.

High-level languages solve many of the problems of programming posed by low-level languages. Firstly, it is much less tedious to write instructions, since high-level instructions, which translate into several low-level instructions handle, many tasks which would have to be spelt out in detail in a lower level.

Secondly, high-level languages are, in essence, independent of the machine the program will run on. For example, you can use the C language on any computer. However, you may wish to use features of one type of computer not available on another type, or that the features may work in a different way.

That is the reason, for example, that

Don't copy that floppy!

The Software Publishers Association (SPA) has sponsored the production of a groovy rap video which spells out the rights and wrongs of copyright. Called 'Don't Copy That Floppy' the nine-minute video takes us through the typical scenario of two teenagers wanting to play 'one more game' but running out of time with the machine the game's installed on. "Don't worry," says one, "I have a disk — we can just take a copy". But when he pushes his floppy disk into the machine, a rapping genie, called DP (Disk Protector) pops up and proceeds to explain the downside of copying software illegally. Taking a walk through the various reasons why copying software illegally is detrimental to the industry as a whole, the video features interviews with games developers who present a range of views, from — "If the game doesn't sell well, we think — Oh, they didn't like that one, we won't produce anymore", to "If we don't get a return on our investment in creating it we go out of business", or "If you buy the game on disk, you get manuals and support — we'll be at the other end of the phone if you need help with it".

And yes, there's a happy ending. Given the choice of Copy or Cancel, the student chooses Cancel, and goes to the store to buy his own.

Recommended viewing for classrooms, as an introduction to the issue of software ownership and correct useage.

Call the SPA Helpline on 1800 681 388 for a copy of the video, or visit the SPA Web site at www.spa.org, to find out more about what the SPA does.

by Helen Dancer

Post-it®

Signs

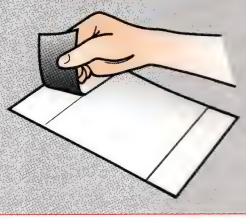
For Ink Jet & Laser Printers

Ph: 1-800-023-423
Fax: 1-800-646-111
http://www.mmm.com/cws

Effective communication

Print using your ink jet or laser printer (either side).

Quick and convenient



No tape or drawing pins. Peel off adhesive liners and fix.

Reliable performance

Adhesive sticks securely to most smooth and rough vertical surfaces.

3M Stationery & Office Supply Division

3M Australia Pty Limited A.C.N. 000 100 096

This is Microsoft Word's Formatting toolbar. From left to right, the controls are: paragraph styles; font selector; font size; bold text; italic text; underlined text; left-aligned text; centred text; right-aligned text; justified text; automatic numbered points; automatic bulleted points; increase text indent; decrease text indent; text borders; text highlighter; text colour.

even though most programs for Macintosh, Windows and Unix are written in C or C++, they won't necessarily run on more than one of the three platforms without substantial modifications.

The third benefit of high-level languages is that it is possible to write a program more the way humans think about things, rather than to bog down in the gritty detail. The compiler is responsible for translating between the two.

Object Oriented Programming

A relatively new development in how programmers see their job is Object Oriented Programming (OOP). In short, the program is designed around 'objects', which may or may not correspond to real life objects. These objects are defined in terms of the data relevant to the object, and any functions that are needed in relation to that object.

For example, a programmer may define a 'circle' type object for a graphics program. This object may have data containing the location of the centre, the radius, the colour, and the thickness of the circumference. Further, it may have functions which calculate the area and draw the circle on the screen. Once this is defined, the programmer writes code which creates and uses these objects, confident that the object knows how to look after itself.

Object Oriented Programming is still a stranger to many programmers, because it requires a different way of designing the program. The situation hasn't been helped by the fact the programming languages don't necessarily make Object Oriented Programming any easier.

High-level languages through history

Early high-level languages, although primitive by modern languages, were a real boon to programming. One was called Fortran, which was designed to make scientific and mathematical programming easy.

Cobol was written to make the handling of large businesses easier.

Basic was designed to teach computer students the fundamentals of programming; it was built around an interpreter rather than a compiler, and became the de-facto hacker's language when it was included with personal computers at an early stage.

Pascal was developed to teach more modern programming principles and had many built-in structures to enforce this; it became popular as a serious programming language, and much software in the industry was developed in Pascal.

C has become the standard software development language. It has a chequered history; it was first developed to squeeze into small computers, and for the development of operating systems (especially Unix), and so was not very glossy. However, this gave programmers the sort of power they wanted over the machine, and so it became a language of choice. C++ is an extended version of C, designed for Object Oriented Programming. It was developed to allow programmers to use the vast amount of old code already written in C, while allowing them to make Object Oriented additions. In a sense, this may have impaired the development of OOP, because you could still get away with doing things the old way.

Java is also a new language, developed by Sun Microsystems. Similar to C++, it nevertheless was not designed to be compatible with an older language, and so encourages OOP principles better. Java can be used to develop full-strength software (but isn't very much at this stage), and also to develop code which can be run on different platforms. The multi-platform aspect makes Java a suitable language for developing program modules (especially 'applets') for distribution over the Internet, which connects all sorts of different computers.

Microsoft's Visual Basic is based on the Basic language, but was significantly enhanced. Not only does it include more modern programming structures, it is designed to work smoothly with the Windows graphical interface — not only while it's running but also in the way you program it. It is easy to learn and to write programs in, and some software developers use VB for commercial products.

Next month we'll look at some common techniques used in most programming languages.

Teachers and students

The ABCs of word processing: formatting documents

In Part 4 of our series, Rose Vines shows you how to turn plain text into something with a little more flair.

Getting your words down on 'paper' is only part of producing a document. Just as important is making your document look good. A well-formatted letter, report or memo is easier to read, draws attention to the most important information, and creates a receptive and favourable impression in the reader.

Word processors provide you with the tools to make your documents look good. They can't give you taste and a sense of style — although some of the upmarket word processors can automatically apply consistent styles to your documents to make them look smart — but they do supply you with everything you need to take your words from raw text to stylish output.

Making your documents look good can be as simple as making your headings **bold** or positioning addresses and salutations cor-

A NEW LASER PRINTER THAT WON'T INVADE YOUR PERSONAL SPACE.

Samsung's new ML85 personal laser printer takes up about as much desk space as a sheet of A3 paper and weighs in at under 20lbs (9kg).

Yet it packs more features than its bigger, slower, more expensive rivals.

How do we do it? It could have something to do with the fact that Samsung, as the eleventh largest corporation in the world, spends over $7 billion a year on research and development in order to provide the world's best. Backed by the best service, price and advice from our Australian dealers.

To see how well our new printer would sit in your space, call **1800 500 128**.

The new ML-85 laser printer incorporates the following features: 8 pages per minute printing, outstanding resolution – true 600x600dpi, HP Laserjet compatibility with virtually all PC software, 45 scalable fonts. Dimensions: W 360mm, D 367mm, H 170mm.

SAMSUNG

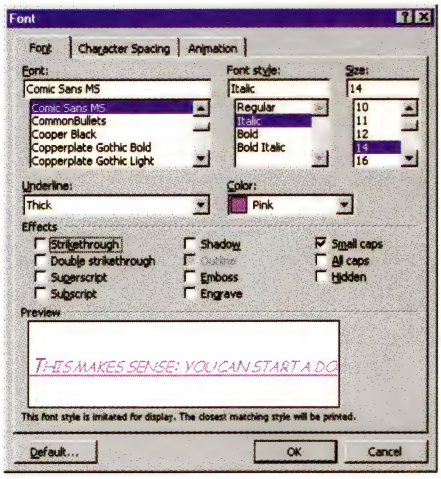
ELECTRONICS

LEADERSHIP THROUGH PRODUCTS

DEVELOPING THE WORLD'S LEADING PRODUCTS · MONITORS · PRINTERS · NOTEBOOKS · HDD · CD-ROM · FAX · PHONES (MOBILE, CORDLESS, KEY) · CTV · VCR · CAMCORDER · MWO · AUDIO · REFRIGERATORS · WASHERS · AIR CONDITIONERS

SAM002PCU BSH Adv

The toolbar formatting buttons provide shortcuts for the most commonly used features. For one-stop control and added options, use the equivalent menu command. Just look at the range of possibilities Microsoft Word 97's Font option from the Format menu offers you: dozens of font options, spacing controls and even animation.



rectly in a letter. It can be much more than that, too, but when you're first starting out, it's far better to aim for a clean, simple, consistent look to your documents than to try to achieve the ultimate in style.

How formatting works

As with most word processing tasks, the first step in formatting text is selecting the text you want to format. Decide which text you want to change, select it, and then apply the appropriate formatting. Some formatting is applied to your whole document (such as page margins), but most is applied to specific portions of text.

You'll find most essential formatting tools on your word processor's toolbars and the ruler: bold, italic and underlined text; alignment tools; font size and typeface; indent, tab and margin settings. If you want more control, you may need to use the menu equivalents of these toolbar options, usually found in a menu named Format or Text (ClarisWorks breaks it up into Format, Font and Style menus).

If you apply formatting after you've completed typing a document, you'll find it easy to identify which sections of text are being affected by a particular style of formatting. Things can get a little more confusing if you format as you type. For instance, try this:

1. Type two paragraphs.

2. Select both paragraphs and then click the Italics button (usually an italicised 'I') on the toolbar (if your word processor doesn't have an Italics button, look for this option under a menu called Style, or under a Font option on a menu called Format). This will italicise the selected text.

3. Now, click immediately at the end of the first paragraph you typed, and press Enter to begin a new paragraph.

4. Start typing.

What happens? The new paragraph you type between the two paragraphs is also italicised, even though you didn't select it and format it with italics. This is because information detailing the formatting for each paragraph is stored in an invisible 'paragraph mark' at the end of each paragraph. If you press Enter, you 'carry over' the existing formatting onto the next line or paragraph.

This makes sense: you can start a document, format the first paragraph, and then have that style carry over for the rest of the document, including margin indents, typeface and so on.

However, it can also cause you problems if you don't keep your eyes peeled. It's very easy to end up with carry over formatting and not know why your paragraph is, for example, appearing centred on the page. You can check the formatting on particular paragraphs by clicking in differently formatted paragraphs in your document: you'll find that the ruler and toolbar icons change to reflect the formatting of the current paragraph. The ruler will show the tab settings and indents for the current paragraph; toolbar buttons such as the alignment buttons will appear 'depressed' if they're currently in effect.

Two common errors

Most newcomers to word processing make work for themselves by failing to comprehend the amount of work the word processor can do for them. The whole point of using a word processor is to let it do as much of the work as possible, freeing you to focus on your words and the overall look of the document.

One common error is to space paragraphs by pressing the Enter key twice. There's no need to do this, as the word processor provides an alternative way that gives you much subtler control over the look of your document.

To space paragraphs using (almost) any word processor, use this method:

1. Type your document, pressing Enter *once* at the end of each paragraph.

2. Select all the paragraphs in your document and then use the Format Paragraph option to adjust the spacing after each paragraph. For example, in Microsoft Word, open the Format menu, choose Paragraph, and then adjust the Spacing After to 6 points. In Microsoft Works, open the Format menu, choose Paragraph, click the Spacing tab, and set the Spacing After to 0.5 li (that's half a line's worth of spacing). In ClarisWorks, choose Paragraph from the Format menu, in the Space After box type 6 and in the box beside it, select Points from the list. (Don't try to type 0.5 lines for your spacing in ClarisWorks — it will appear to be a valid value, but it won't work.) You'll find similar options in WordPerfect, Ami Pro, Word Pro and many other word processors.

A second common error in the way people use word processors is to align text by using the Spacebar, instead of using tab stops.

For instance, a common beginner's approach to creating a list of items neatly aligned in columns is to type a word, then press the Spacebar multiple times to position the next column, type the next word, use the Spacebar again and so on. On the next line, they try to align words under the existing text by repeatedly pressing the Spacebar again.

Not only is this incredibly tedious and wasteful of your time, it also won't work. Most word processing typefaces are *proportional*, meaning each character is a different width (contrast this with monospaced typefaces, where each character — such as M and I — occupy the same width). So, trying to type words then fill the gaps between them with spaces will lead to uneven alignment.

Word processors offer a quick, neat way to align text: tabs. In most word processors, you have enormous control over tab settings, allowing you to create aligned text very rapidly

Readability is the rule

You'll find most simple formatting controls straightforward to use. Probably the key thing to keep in mind — other than not going overboard with all this power at your fingertips — is to keep in mind that the key function of

SchoolPC AUSTRALIA

Editor Helen Dancer **Managing Editor** Glenn Rees
Art Director Michèle Heibel **Sub Editor** Fiona Tomarchio
Editorial Assistant Kathryn Hawkins **Web Master** John Hilvert
Software Reviewer Linda Bruce

SchoolPC Australia is published on the second last Wednesday of every month from January to October — as a supplement in *Australian PC User* magazine and as a separate publication to schools and by subscription. *SchoolPC Australia* and *Australian PC User* are published by ACP Computer Publications, a division of ACP Publishing Pty Limited ACN 053 273 546.

Head Office: 6th Floor, 54 Park Street, Sydney NSW 1028; telephone (02) 9288 9138; fax (02) 9267 4909. Printed by HannanPrint Sydney, 140 Bourke Road, Alexandria. Material contained within *SchoolPC Australia* is protected under the Commonwealth Copyright Act 1968. No material may be reproduced in part or in whole without written consent from the copyright holders. All rights reserved.

Group Publisher Tim Trumper **Managing Director** Colin Morrison
General Manager Computer Publications Mike Udabage
National Advertising Manager Tom Di Terlizzi (02) 9288 9144
Advertising Manager NSW Wade Gilmore (02) 9288 9146

Extra copies
A limited number of extra copies of this month's *SchoolPC* are available for just $2, plus 50c postage and handling. To order extra copies, contact Kathryn Hawkins using the following methods.

How to contact us
Postal: SchoolPC, GPO Box 4088, Sydney NSW 1028
Web: www.schoolpc.acp.com.au
Fax: (02) 9267 4909
E-mail: schoolpc@acp.com.au
Phone: (02) 9288 9138

Cover image: Stock photos

almost any document is communication. Therefore, any formatting you apply should go towards increasing the readability of your document.

Don't get caught up in too many other 'rules'. For example, many people believe you should justify paragraphs in letters (justified paragraphs are spread across the page so the right and left margins are both perfectly even). This looks fine when you're working in columns but doesn't work so well on wider expanses as you end up with uneven gaps between words that actually decrease the legibility.

We get taught a whole bunch of rules about formatting things such as letters — where the address should go, where your signature should go, and so on. Don't fret too much about these things. Instead, take a good look at your page and see how balanced it looks and how readable it is.

If you're really wanting to make a good impression and don't trust your own judgement, you'll find most of the good word processors (including Microsoft Works and ClarisWorks) come with a range of pre-written templates (aka Wizards, experts, tutors and various other names), which you can use as guidelines for creating your own letters. Even if you want to do your own work from scratch, taking a look at some of these templates will give you an idea of what's possible and what makes good formatting sense. ❑

RECEIVE SchoolPC AUSTRALIA EVERY MONTH!

☐ **YES**, please arrange my subscription to
School PC Australia
for one year (10 issues)
☐ 10 issues at the introductory price of $19
(free postage and handling)

Payment details: (tick one only)
☐ I enclose my cheque/money order for $_____
made payable to ACP Direct.
Or, please charge $_____ to the credit card nominated.
☐ Bankcard ☐ Mastercard ☐ Visa ☐ Diners Club
☐ American Express (*Offer applies to Australian residents only.*)

Signature _____ Expiry date ___/___

Please print clearly:

Mr/Mrs/Miss/Ms Initials Surname

Street Number/Name City/town/suburb

Postcode ( ) Daytime Phone Number

1. Which of the following job titles most closely matches your position?
☐ 1. Managing Director, General Manager
☐ 2. Data Comms/Network Manager
☐ 3. LAN Manager
☐ 4. Microcomputer Manager
☐ 5. MIS Manager
☐ 6. EDP/DP Manager
☐ 7. Project Manager/Group Leader
☐ 8. Engineer/Architect
☐ 9. Accountant/Finance Officer
☐ 10. Systems/Programme Analyst
☐ 11. Consultant/Advisor
☐ 12. Other Computer Department Employee
☐ 13. Educator
☐ 14. Sales Representative
☐ 15. Office Administrator
☐ 16. Student
☐ 17. Other Professional
☐ 18. Other (please specify)
_____

2. What is your organisation's primary business activity?
☐ 1. Government, Utilities
☐ 2. Agriculture, Mining, Oil
☐ 3. Transportation
☐ 4. Construction
☐ 5. Computer Manufacturer/Distributor
☐ 6. Communications
☐ 7. Computer Retailer/Reseller/ Consultant
☐ 8. Finance, Banking, Insurance
☐ 9. Research & Development
☐ 10. Engineering, Architecture
☐ 11. Manufacturing (non-computer)
☐ 12. Retail (non-computer)
☐ 13. Publishing, Media
☐ 14. Health
☐ 15. Legal
☐ 16. Armed Forces
☐ 17. Other (please specify)
_____

For immediate attention, please use our Fast Phone Service. In Sydney ring (02) 9260 0000. Elsewhere, 1800 252 515 – free call.

(If ordering by phone, the operator will record your answers).
Mail to: Reply Paid 764, School PC Australia, GPO Box 5252, Sydney NSW 1028. (No postage stamp required if posted in Australia)
OR, fax your order on (02) 9267 4363.

3. How much IT equipment do you anticipate being involved with the purchase of during the next 12 months at work? (Please include all hardware, software, peripherals, connectivity equipment and consumables).
☐ 1. None
☐ 2. $1 - $999
☐ 3. $1000 - $4999
☐ 4. $5000 - $9999
☐ 5. $10,000 - $49,999
☐ 6. $50,000 - $99,999
☐ 7. $100,000 - $249,999
☐ 8. $250,000 - $499,999
☐ 9. $500,000 - $999,999
☐ 10. $1,000,000+

4. How many microcomputers are you directly responsible for at work?
☐ 1. 1 - 9
☐ 2. 10 - 19
☐ 3. 20 - 49
☐ 4. 50 - 99
☐ 5. 100 - 499
☐ 6. 500 - 999
☐ 7. 1000 - 1999
☐ 8. 2000 - 4999
☐ 9. 5000+ 97SPMY

Published by ACP Computer Publications, a division of ACP Publishing Pty Limited ACN 053 273 546

School PC Australia is being delivered free of charge to every Australian school for a limited time only. Ensure you receive EVERY issue. Subscribe today!

A colour scanner that really makes your colours come Alive!

That's the OpticPro 4800P Flatbed Scanner.

$50 Price Drop

OpticPro 4800P

Scanning, faxing, copying and even optical character recognition is made easy with this revolutionary scanner pioneered by the experts in scanning technology - Plustek.

Advanced design makes this scanner a one-touch wonder, a special feature on the scanner allows routine commands to be executed in an instant. No other scanner makes it as simple as this.

Intelligent design makes it a breeze to install - just plug it straight into your printer port. No other hardware installation is required.

High end features include a single-pass scanning, a cold cathode lamp and maximum resolution of 4,800dpi in true colour, greyscale or black and white, with software included for optical character recognition and photo-image editing.

And the price will make you smile, only *$299*. The most affordable flatbed scanner that is reliable and easy to use.

$299

Plustek

Harvey Norman

SYDNEY METRO • ARNCLIFFE 9599 1366 • AUBURN 9202 4888 • BALGOWLAH SUPERSTORE 9948 4511 • BLACKTOWN 9831 2155 • CAMPBELLTOWN (046) 28 4088 • CARINGBAH SUPACENTA 9542 7088 • CHATSWOOD WALLACEWAY 9419 6133 • FAIRFIELD 9727 8777 • GORDON 9498 1499 • MOORE PARK SUPACENTA 9313 6500 • PENRITH (047)32 1566 • WILEY PARK 9740 6055 **NSW COUNTRY** • ARMIDALE (067) 71 3788 • BATHURST (063) 32 3399 • COFFS HARBOUR (066) 51 9011 • DENILIQUIN (058) 81 5499 • DUBBO (068) 84 4977 • ERINA (043) 67 6444 • GRAFTON (066) 43 3266 • INVERELL (067) 21 0811 • LISMORE (066) 21 8888 • MAITLAND (049) 34 2423 • MOREE (067) 52 7531 • MUDGEE (063) 72 6514 • NEWCASTLE SUPERSTORE (049) 48 4555 • NOWRA (044) 21 5755 • ORANGE (063) 61 4111 • PARKES (068) 62 2800 • PORT MACQUARIE (065) 81 0088 • TAMWORTH (067) 66 3999 • TAREE (065) 51 3699 • WAGGA WAGGA (069) 21 7100 • WARRAWONG (042) 75 2722 • YOUNG (063) 82 5744 **ACT** • FYSHWICK (06) 280 4140 • WODEN PLAZA (06) 282 2511 **BRISBANE METRO** • CARINDALE (07) 3843 1700 • MT GRAVATT (07) 3849 4299 • OXLEY (07) 3332 1100 • WINDSOR (07) 3357 7777 • GOLD COAST (07) 5538 3155 OPEN 7 DAYS **QUEENSLAND COUNTRY** • SUNSHINE COAST (074)44 8277 OPEN 7 DAYS • BUNDABERG (071) 51 1570 • CAIRNS (070) 51 8499 • MACKAY (079) 42 2688 • NORTH ROCKHAMPTON (079) 26 2755 • TOWNSVILLE (077) 25 5561 **VICTORIA SUPERSTORES - OPEN 7 DAYS** • DANDENONG (03) 9706 9992 • MARIBYRNONG (03) 9318 2700 • MOORABBIN (03) 9555 1222 • NUNAWADING (03) 9872 6366 • PRESTON (03) 9269 3300 **VICTORIA COUNTRY - OPEN 7 DAYS** • ALBURY (060) 41 1944 • BALLARAT (03) 5332 9344 • BENDIGO (03) 5447 2333 • GEELONG (03) 5274 1077 • MILDURA (03) 5051 2200 • SHEPPARTON (03) 5823 2530

HN15406

Four days of computer heaven

Four days of computer heaven for the family. Fun, games and information for all ages including, small office home office applications, the internet, electronic games, educational software, multimedia, home computers and more. Everything from modems to multimedia, programs to printers. Australia's premier event for the SOHO and home market.

Darling Harbour Sydney
6 - 9 June 1997

• **Fri 10am - 7pm** • **Sat 10am - 7pm**
• **Sun 10am - 7pm** • **Mon 10am - 5pm**

The Home Computer Show

SAVE $3
OFF NORMAL ADMISSION PRICE

THIS COUPON IS VALID FOR
One Adult or One Child
(5 to 16 years old. Children under 5 free)
Maximum of one person per coupon. Coupon must be presented on entry.

AES
Australian Exhibition Services Pty Ltd
Illoura Plaza 424 St Kilda Road Melbourne 3004 Australia
Tel: (03) 9261 4500 Fax: (03) 9261 4545

WIN A MULTIMEDIA COMPUTER SYSTEM & SCANNER VALUED AT $3,000
Simply complete the entry form at show entrance.
Maximum of one entry per person. Prize assembled by PC User Magazine.

COCKLE 2633/PCU

AES AUSTRALIA'S LEADING EXHIBITION ORGANISER

Australian Exhibition Services Pty Ltd Illoura Plaza 424 St Kilda Road Melbourne 3004 Australia Tel: (03) 9261 4500 Fax: (03) 9261 4545
Web address: http://www.ausexhibit.com.au e-mail address: Shows@ausexhibit.com.au

http://www.epson.com.au

"OH YES IT DOES!"

EPSON GT-5000 Scanner

Believe it or not, this colour flatbed scanner can even scan 3-D objects such as jewellery - great for insurance purposes. And now you can afford an EPSON GT-5000 at home. You can scan photographs for documents, school assignments and newsletters. Produce powerful colour presentations that stand out. It's available for Windows™ and Macintosh®. Combine it with an EPSON printer for great colour copies. It's easy to install, easy to use and simply the best value colour scanner you'll find. Oh yes it is!

Syd (02) 9903 9000 Melb (03) 9685 6555 Bris (07) 3360 0219 Perth (09) 480 0418

UP TO 1200DPI OUTPUT RESOLUTION • 16.7 MILLION COLOURS • SOFTWARE INCLUDED

EPS 0113 The HALE Agency Windows™ is a registered trademark of Microsoft Corporation. Macintosh® is a registered trademark of Apple Computer Inc.

MDK: Better than Quake!

After three years in development, MDK has emerged. Steve Polak battles the combat zones and discovers some pleasant innovations. Plus, we test-drive the latest releases and preview what's in the pipeline for the second-half of the year.

MDK

With their first dedicated PC release, Shiny Entertainment (the creative sparks who brought us Earthworm Jim last year) has hit most Quake clones for a six and established a place for themselves in the PC developers' hall of fame.

Originally MDK was an acronym that stood for murder death kill (inspired by the crime of the same name in the film *Demolition Man* for those of you who are trivia conscious). However, the meaning was dropped when Shiny Entertainment realised they might not get the best publicity if they stick with such a provocative title.

The basic idea behind MDK is the familiar 'aliens have invaded earth and only you can stop them' theme, however this is where the game parts ways with all of its contemporaries which use this rather hackneyed plotline.

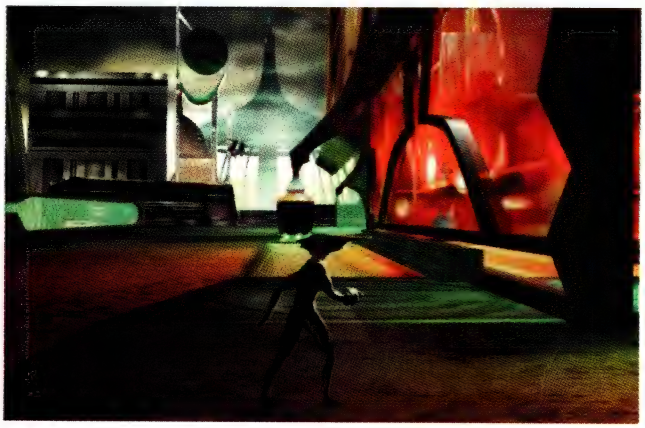
Aside from the extremely fast and frenzied 'running about the place with a machine gun blasting the bejesus out of everything in sight' fun to be had, MDK also offers the 3D action gamer quite a few innovations. The most notable of these is that MDK's combat zones are massive, open, expansive arenas instead of claustrophobic corridors. These outdoor arenas are brilliantly drawn, and move with a smoothness never before seen outside the narrow corridors of Doom (where such speed is easier to generate from a programming perspective).

MDK also lets you use the distance between yourself and the alien invaders, as you can don a special sniper's visor, which lets you zoom in on an enemy robot from an extreme distance, and surgically take him out with a well placed head shot. This is probably the most enjoyable aspect of MDK as the wicked fun that can be had assassinating enemies who cannot even see you is hard to explain using words.

But there is more to this gem of a game. In one section you ride down steep tunnels on a snowboard 'James Bond-style'. MDK even plays 007's theme song during this stage while you take on snowboarding aliens with your machine gun. The game also lets you climb aboard an alien bomber, turning the extra terrestrial weapon of airborne terror on its creators, and there are plenty of other varied sections which will

How MDK compares to other 3D action games titles

Title	From	List price	System requirements	Description	Overall value
Quake	Leading retail outlets	$79.95	Pentium 75, 8Mb RAM, hard drive, Windows 95 or DOS 5.0	From the creators of the seminal 3D experience, iD's Quake wasn't quite as good as the hype promised, but its longevity in the market place is not purely due to its popularity as a multiplayer Net game. Quake is still a sensational effort.	★★★★ ½
Duke Nukem 3D	Mannacom (07) 3368 2366	$69.95	486DX2/66, 8Mb RAM, double-speed CD-ROM drive, SVGA graphics card, hard drive, DOS 5.0	A lot less funny than most of its contemporaries, Duke is still very popular even though the 3D engine used in the game isn't that convincing any more.	★★★ ½
Dark Forces	Metro Games (03) 9329 2999	$59.95	486DX2/66, 8Mb RAM, double-speed CD-ROM drive, hard drive, DOS 5.0	Star Wars meets Doom! If only this lived up to the hype. Still, Dark Forces is a lot of fun, even though the game has no multiplayer component, and the levels are underpopulated.	★★★★
Hexen	Leading retail outlets	$69.95	486DX2/66, 8Mb RAM, double-speed CD-ROM drive, hard drive, DOS 5.0	This game is a pleasing mix of RPG-style spells and problem-solving, with conventional hack-and-slash fun. Quite pretty to look at and features a few imaginative monsters.	★★★
MDK	Electronic Arts (02) 9911 3322	$99.95	Pentium 75, 8Mb RAM, quad-speed CD-ROM drive, hard drive, DOS 5.0 or Windows 95	A great combination of arcade action and sumptuous PC graphics. The sniper mode is a bit of a revolutionary development too. No multiplayer option but Shiny are working on it.	★★★★★



Some of the excellent in-game graphics from MDK.

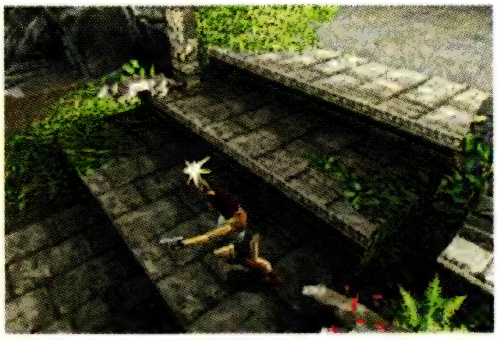
test your combat skills and problem solving abilities.

Graphically MDK fills the screen with hordes of brilliantly drawn 3D polygonal opponents who look mean and move really quickly. Static screenshots simply don't do this game justice. You have to see it moving to realise how impressive it is.

MDK is also downright funny, as it raises more than a chuckle when your enemies cheekily waggle their posteriors at you from behind bullet-proof shields. There is even an alien target practice range where you can take pot shots at digitised images of the Shiny programming team!

Acronyms aside, Shiny has laid down the gauntlet to the rest of the industry with a program which would be brilliant even if it was called 'POQ'.

by Steve Polak



Lara Croft takes care of business in Tomb Raider from Eidos.

Life of adventure

Tomb Raider

Lara Croft. A fairly unassuming name by all accounts. But Lara Croft also happens to be a fictitious creation. In fact she is the lead character in a game by Eidos and she has attained almost cult status throughout the world probably due, in no small part, to her striking looks and almost superhuman abilities.

Lara is like a female Indiana Jones character and her exploits in this game are the stuff of legend.

Tomb Raider can probably be best summed up as the next quantum leap in the Alone in the Dark genre of action/adventure games. You play the character of the aforementioned Lara who, after becoming sick of her mundane and boring upper class English lifestyle, decides that a life of adventure is more her thing.

The game follows her exploits as she attempts to find an ancient artefact in South America. After successfully accomplishing this, Lara discovers that the artefact is in fact only one of three; the others still lying undiscovered in various tombs around the world. So, pursued by the heavies of the tycoon who originally employed her, Lara sets out on a quest to find the missing two.

Tomb Raider is a massive game with some absolutely stunning 3D terrain to explore. Each area or level has its own distinct feel and is populated by a variety of animals, monsters and other nasties. Part of Lara's appeal is her gung-ho attitude and amazing athletic abilities; she leaps in almost every direction, swims, rolls and shoots a firearm with the skill of Dirty Harry.

Apart from the prodigious bestiary, there are also plenty of traps and puzzles to be negotiated. But it must be emphasised that a lot of the puzzles really involve working out how to get from point A to B. Anyone who has played the one-level demo (featured on this month's CD-ROM) could be forgiven for thinking that Lara's impressive leaps are for show only. But believe me, you'll have Lara jumping like Carl Lewis on Amphetamines if you want to complete the later levels! While all of Lara's moves are quite simple to master, the timing is what becomes most challenging.

In standard form Tomb Raider is one of the most beautiful PC games I have ever seen. But after playing the 'Rendition' 3D chipset optimised version, I was flabbergasted! The game became so detailed, clear and crisp I suddenly realised just how much of a revelation 3D acceleration really is for the PC games industry. The lighting effects, particularly in the underwater sequences, must be seen to be believed! Eidos has also released a patch for the 3Dfx-based 3D cards which promises to yield even more spectacular results.

All in all, Tomb Raider is a magnificent game.

by Julian Schoffel

Ten MDK strategic survival tips

1. Always use your sniper mode whenever you can, especially when you are entering a new arena.

2. When fighting tanks, learn to sidestep their weapon-fire, whilst keeping your machine gun trained on them.

3. The robot generators (which look like dustbins) are the highest priority target whenever you enter a new arena. No generators, no new robots.

4. Save your machine gun upgrade for your major opponents. Often it is possible to run around or through the lesser grunts, and move on to the next part of the stage.

5. On the second level when you fight two tanks on the other side of a canyon, use your parachute and the canyon wall to glide to the other side (once the tanks are defeated). Now follow the ravine around to the left and you will find a special power-up.

6. Use sniper mode and sniper grenades on the Livingston stage boss (you'll know what this means when the time comes).

7. Make sure you grab the power-ups in descent mode (as you travel down to the next level). Even if you lose a few health points, it is worth it.

8. Make sure you quickly take out the sentry robot dogs with a sniper shot if they are loitering about near the entrance to an arena. If you do this you will be able to snipe away at the droids without the sentry raising the alarm.

9. Learn to use your character's advantage in speed in all combat situations. A still target is an easy one for the aliens, so make sure you fire whilst on the move and when you stop to snipe, do it quickly, and then make sure you haven't attracted a lot of attention. Also jump around a lot, as you will fool the aliens into shooting over your head, if they take aim whilst you are at the apex of a leap.

10. It is also possible, and extremely useful, to sidestep in sniper mode. Thus you can take a few more long distance shots whilst avoiding the retaliatory fire.

Finally if you want to check out the first MDK cheat I know, type the word 'skill' but do it at your own peril . . .

Tomb Raider

From: Sega-Ozisoft (02) 9317 0000
List price: $89.95
Genre: Action/adventure
Classification: M15+
System requirements: Pentium 60, 8Mb RAM, double-speed CD-ROM drive, hard disk space, DOS 6.0
Graphics: ★★★★★
Sound: ★★★★
Gameplay: ★★★★
Overall value: ★★★★ ½

Previews

Ultima IX: Ascension

Genre: *Fantasy role-playing*
From: *Electronic Arts (02) 9911 3322*
Expected release date: *Nov/Dec 1997*

Probably the most eagerly awaited offering for most RPG fans is the next instalment in the Ultima series — Ultima IX: Ascension (U9).

When Richard Garriott (the co-founder of Origin and creator of the Ultima series) came out to Australia back in 1994, he was already talking eagerly about the next game in the series.

While the latest news from Origin reports that almost all of the U9 development team were recently moved over to work on the Internet-based Ultima project, Ultima Online, fans can be assured that this is only temporary and that U9 will definitely be out at the end of this year.

RPG aficionados who were disappointed by the 'arcadey' style of Ultima VIII should be only too happy to learn that Origin has made a special effort to return the series to it's previous depth, complexity and detailed level of gameworld interaction. And, of course, all of this comes with a totally new and sophisticated game engine.

The bedroom of Lord British himself; as it appears in the eagerly awaited Ultima IX: Ascension from Origin.

U9 will mark the last Ultima game chronicling the exploits of the Avatar character. It will be set in Britannia many years into the future, where the evil Guardian has been waging a campaign of evil and destruction.

We thought the easiest way to tell you a bit about U9 was to list a few of the facts we have discovered about the forthcoming RPG blockbuster:

- The size of the gameworld in U9 has been reported to be 256 screen lengths in width and 256 screen lengths in height.
- The Avatar will finally be able to swim in U9.
- The game should run at about 25 frames per second on a Pentium 100 in 640 by 480 SVGA.
- Many artefacts and locations from past Ultimas will be brought back in U9.
- Quests need not be done in a specific order and there will be many ways to solve puzzles.

LBA 2: Twinsen's Odyssey

Genre: *Adventure*
From: *Activision (02) 9869 0955*
Expected release date: *July 1997*

About three years ago a game called 'Relentless: Twinsen's Adventure' was released from Adeline software. In many ways this game was years ahead of its time, particularly in terms of graphics and animation. While Relentless was quite successful, it probably didn't do quite as well as it deserved because of a dodgy savegame feature which left many people frustrated at not being able to pick up the action exactly where they left off.

Now Adeline are finally set to release the sequel which will be known as Twinsen's Odyssey (or LBA2).

LBA2 continues to illustrate Adeline software's amazing talent for creating absolutely gorgeous PC games.

The graphics of the sequel are even better than the magnificent visuals of its predecessor. After three years you would expect this, but the graphics and animation of the original game still put many other adventure games being released in 1997 to shame! Adeline has maintained the visual feel of the original game for all the interior locations of LBA2, but the outdoor scenes are now more akin to those of Tomb Raider. That is to say everything is larger with multiple camera angles moving around Twinsen as he travels about the place. Thankfully the screen can be centred on Twinsen at any time simply by pushing the Enter key.

Because the alpha we had only contained French subtitles we were unable to learn much about the general plot. But it would be pretty safe to assume that Twinsen's world is in peril and he must act to save it.

Adeline has moved to address the dodgy savegame feature which marred the perfection of the original. Players can now either save a game through the menu or simply use the auto-save feature allowing you to return to the exact location where you quit the game.

The characters prevalent in the game are just as enchanting as those of the original, with plenty of new species of beings to keep players amused. Music and sound effects are also top-notch, and you can expect some of the prettiest rendered cut-sequences ever seen in a PC game.

Adeline will also be releasing MMX and Pentium Pro versions of LBA2 which will feature enhanced graphics.

LBA2 looks set to be one of the best adventure titles for 1997.

Dark Reign

Genre: *Real-time strategy*
From: *Activision (02) 9869 0955*
Expected release date: *June 1997*

After the incredible success of games like Warcraft II and Red Alert, it's no surprise that every major gaming software company is rushing to produce a real-time strategy offering of their own. Activision's forthcoming title Dark Reign is one of the most ambitious to date and promises some of the most advanced AI and comprehensive player control seen in a game of this type.

The alpha we received to get a small taste of the game was nowhere near complete enough for us to attempt to make any judgement on the overall product, however, it did give us the chance to get a feel for the control system as well as the look of the game.

Our initial impression of the game maps were of sheer size; these areas are extremely large making those of Red Alert and Warcraft II seem

puny by comparison. The graphics were crisp and clear, although they may have lacked the rendered smoothness of Warcraft II. One of the first things to strike the player will be the voluminous array of unit types to deploy and the promised level of player control when utilising them on the battlefield. Players can actually control the levels of tenacity and autonomy of specific units, affecting how long they will hold a position before retreating or whether they are capable of taking independent action.

Dark Reign incorporates a mission construction kit which allows players to design and create multiplayer maps and missions. This promises to offer a far greater level of control than the map editors of games like Warcraft II.

In fact there is so much detail in this game our only worry is that many prospective players may feel somewhat intimidated by its sheer scope and scale. Luckily it also utilises an intuitive interface which should make life relatively easy after a short period of familiarisation.

One thing is clear from the Alpha; Activision hasn't merely tried to produce another C&C/Warcraft clone, rather they are attempting to take the genre to a new level. If our first impressions are anything to go by, we think they may succeed.

compiled by Julian Schoffel

Dark Reign looks set to be the king of real-time strategy games in 1997.

POD is a fast and furious futuristic racing game from Ubisoft.

Futuristic car racing

POD

POD offers a level of graphics, sounds and fluid gameplay usually associated with other arcade specific platforms like the Sony Playstation. As you would expect, the premise of the game is simple; choose from one of the eight available vehicles and race it on the track of your choice. Obviously there are a variety of game modes including single races, championships and multiplayer tournaments played over the Internet.

What sets POD apart are the graphics, car dynamics and speed of gameplay. In the standard Pentium version the game looks great with plenty of nice textures to be seen on the cars, tracks and surroundings. But if you compare this with the MMX optimised version, the benefits of Intel's new technology soon become very apparent; tracks, cars and surroundings are gloriously detailed and clear but not at the expense of fast frame rates. The MMX version churns out a steady framerate of nearly 30fps (frames per second) in a resolution of 640 by 480.

POD also has a very interesting Internet component. Apart from being able to play up to seven other players over the Net, new tracks and cars will also be available on a regular basis from the Ubisoft Web site (http://www.ubisoft.com). The best part about all of this is that it is free; once you buy the game you are entitled to access all of the new components. Obviously this adds a hefty addition to the value for money aspect of an already solid game.

POD is one of those games which can easily be enjoyed almost instantaneously; the car controls are intuitive enough and the goal of the game couldn't be simpler — just beat all the other cars to the finish line. Luckily POD also caters for those who like a little more depth in their games by allowing an impressive level of car customisation. There are over 20 technical elements open to modification, including brakes, acceleration and car handling traits.

If winning a race was just a matter of outrunning the opposition, then POD would soon become dull, but when you incorporate good enemy AI which learns and reacts to your driving traits, winning a race soon becomes a trickier proposition. The tracks themselves are also very different from standard fare with plenty of jumps, obstacles and other variables to contend with.

If you enjoy racing games which provide a hefty dose of adrenalin, then POD is one of the best currently available. Highly recommended.

by Julian Schoffel

POD

From: Ubisoft (02) 9362 1414
List price: $89.95
Genre: Futuristic racing sim
Classification: G
System requirements: P60, 16Mb RAM, double-speed CD-ROM drive, hard disk space, Windows 95
Graphics: ★★★★
Sound: ★★★★
Gameplay: ★★★ ½
Overall value: ★★★ ½

Home & hobbies

Which? Guides

From: *Data Diction (02) 9955 0121*
List price: *$14.95*
Overall value: ★★★★

Sick of going to the same old restaurants and places of leisure? Or perhaps your favourite hotel is booked out and you can't think of anywhere else you'd like to stay? Help is at hand with the new series of Which? Guides including Which? Restaurant, Which? Accommodation and Pastorelli's Sydney Leisure Guide. Each guide has a map-based search engine to easily locate information.

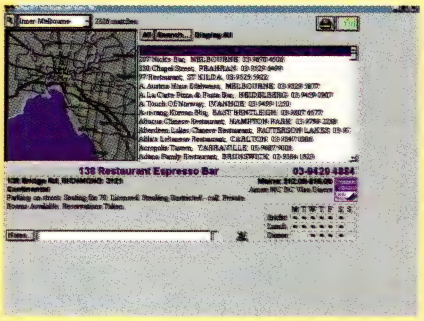
Which? Restaurant features details of restaurants Australia-wide. Details of over 13,000 established restaurants are provided whether dining out in the city or country-side. Each entry includes a listing of the type of cuisine served, when open, licensed or BYO, smoking facilities, price range, credit card acceptance, whether it has takeaway or home delivery, seating capacities, private party rooms, wheelchair access and reservation acceptance.

Which? Accommodation has listings of more than 6000 hotels, motels, bed and breakfasts, guest houses and serviced apartments all over Australia. Every detail is catered for from colour TV and airconditioning to convention rooms and gym facilities.

Live in Sydney? Pastorelli's Sydney Leisure Guide contains a wide range of activities in over 40 categories, such as adventure, galleries, markets, horse riding, wineries and much more. Descriptions include everything you need to know, including public transport options and disabled access.

Available from newsagents, Dick Smith, Harvey Norman and selected bookshops, all of the Which? Guides require a 386SX or higher, with 4Mb of RAM or more, and Windows 3.1 or higher to run.

by Fiona Tomarchio



Which? Restaurant features over 13,00 established restaurants Australia-wide.

PC User Offline

Playable demos of MDK, Tomb Raider, POD and Cricket 97 are available on this month's CD-ROM. Plus demos of Outlaws, Shivers 2: Harvest of Souls, NBA Jam Extreme, X-Car: Exerimental Racing, Power F1, Comanche 3, Blood, Close Combat, Gex and Return of the Arcade. See page 3 for details.

Spin-bowl practice

Cricket 97

Cricket 97

From: Electronic Arts (02) 9911 3322
List price: $89
Genre: Sport sim
Classification: G
System requirements: 486DX2/66, 8Mb RAM, double-speed CD-ROM drive, SVGA graphics card, Windows 95 or DOS 5.0
Graphics: ★★★ ½
Sound: ★★★★
Gameplay: ★★★ ½
Overall value: ★★★ ½

Cricket 97 is a solid improvement on Beam's effort from last year, as the gameplay and the graphics have both been given a right royal tweaking. For a start the stadium is now rendered in 3D (instead of being sprite-based), and this makes the whole thing look a lot more realistic. The motion captured players are also quite smoothly animated, even if they appear to move a little stiffly at times.

There are four basic types of game you can play. If it is instant access you want then you can play a fast match, which ignores all of the pre-game team selection and setup options, and gets you out on the oval almost instantly. The game also lets you play test matches, one-day matches, and there is also a one-day championship (similar to the World cup).

If you have never played this sort of thing before, there are also options to simplify bowling and battling. This is just as well, as there is quite a bit of finesse involved if you turn all of the computer assistance off and take full control of batting, bowling and fielding. The simplified game is hardly challenging, and you will soon want the realism levels closer to normal, but at least you can get a feel for a whole game without being bowled out too easily or being belted all over the crowd by the other side's top order.

Player statistics are more comprehensive, as the three basic statistics of the first game (batting, bowling and fielding) have been augmented by other attributes like strength, speed, stamina and precision. This helps give the individual sides you play with more distinct personalities, and it is a definite step forward when compared to the previous game. The game runs in low- and hi-res modes, which means owners of higher 486 PCs will still be able to step up to the crease as long as they have a DX2/66.

Cricket 97 adds more pizzazz to the gameplay with the commentary of Mr Cricket himself, Richie Benaud. Whack a boundary or go for a 'hat trick' and Richie is on hand with a typically pithy comment. He even takes you through the install routine!

So all in all the prognosis is pretty good, but there are a few minor points worth mentioning.

Firstly things would have been far more interesting if the game featured the likes of Warney, but this has since been sorted out with an add-on pack which incorporates all of the current players into the existing game. Also at times the stiff movement of the fielders makes it a little hard to do some of the more athletic catches and boundary saves one would normally associate with a good game.

However, overall Cricket 97 is a competently produced game which is sure to delight lovers of the sport. ❑

by Steve Polak

Bouncing spam e-mail

John Hilvert provides tips on how to spot bogus e-mail and to stop it from flooding your Inbox.

The first time I received a spam — unsolicited junk e-mail — I thought it was novel and intriguing. It was from a Brad Stevens Elder (BradStevens @mail.actionlawn.com), who offered to help me defraud pay TV operators by sending me details on how to make a descrambler in return for sending $US12 to an address in Oklahoma.

A week later I received another identical offer from our friend, writing this time as tarsey@ionet.net. I furiously responded with as much vitriol as I could muster to desist with this junk mail. A few minutes later I received notification that my mail had bounced. It was an invalid address. This is typical, of course.

There are two schools of thought to dealing with spam merchants. One is to ignore them and delete the message. Also a response might only help a spam merchant by informing him that it is a live account — and you then get an automatic response back.

If it's persistent, you might be able to configure your e-mail package (such as Eudora Pro) to set up a filter mail with certain headers "Cable Television Descrambler — Easy To Make!" to your trash folder.

A variant of this approach is to bring the spam to the attention of your Internet provider, requesting that he/she consider blocking mail from this source generally via their router.

The other approach is to take the spam merchant head-on. This involves tracking down the real source of the spam and complaining to the spammer's Internet provider.

Under this second approach, if you can detect the real source of the spam (say unwitting.com), you can complain to postmaster @unwitting.com to cease and desist. If you want to take the second approach, be aware that it is possible for a spammer to not only send from a bogus address, but also forge the address.

To begin the hunt, you need to set up your e-mail to receive the full headers of all mail.

This is what Brad Stevens Elder's looked like:

Received: from cliff.ou.edu (cliff.backbone.ou.edu [129.15.2.9]) by oznet02.ozemail.com.au (8.8.4/8.6.12) with SMTP id NAA08368; Sun, 9 Mar 1997 13:05:15 +1100 (EST)
From: tarsey@ionet.net
Received: from 171.st-louis-005.mo.dial-access.att.net by cliff.ou.edu; Sat, 8 Mar 97 19:55:50 — 0600
Subject: Cable Television Descrambler — Easy To Make !!!
Message-Id: (less than)332218a7567d060@cliff.ou.edu(greater than)
Date: Sat, 8 Mar 97 19:57:21 — 0600

The most important thing to note is the differences in the domains between the first, Received: header (cliff.ou.edu) and the apparent address From: tarsey@ionet.net. The hunt for the spam source begins there. In particular, you need to check whether the IP address (129.15.2.9) is the actual one for cliff.ou.edu. If it is, then there is a good chance that is the source.

It may be falsified and tools are available to help your probe. Those who want to pursue this in detail should bookmark Julian Byrne's excellent local site at http://kryten.eng.monash.edu.au/gspam.html — which provides you with tools such as whois lookup and links to track down spam sources.

In this case, I did more checking, using the indispensable AltaVista search engine to look for instances of the name "Brad Stevens Elder". Apart from newsgroups, which he also spammed, Stevens had shown up as daniel@inetnow.com and BradStevens@ezin.net

In Web pages, Stevens showed up on a California-based Web site offering addresses of celebrities to obtain their autographs — I dashed off an e-mail asking (ever so politely) whether he was the same person as my spam merchant friend and if so, would he care to take me off his list. A few minutes later, I received an automatically generated response stating I should send $2 for each celebrity address I wanted to an address in Oklahoma. The trail was hot.

I then e-mailed the postmaster at villagelaguna.com suggesting (ever so politely) he may be harbouring a spam merchant. I have yet to receive a reply.

I have yet to hear from Brad Stevens Elder as well, since then. But I've also configured my e-mail filters just in case. ❑

Lessons

1. Consider using an e-mail filter instead of getting heated about spam.
2. Think twice before replying. You may just provoke an auto-responder and get promoted as a "live one" as far as the spammer's mailing list is concerned.
3. Avoid heated language. You may just be attacking another spam victim.
4. If you must respond, address your concerns — politely — to the postmaster at the spammer's most likely domain address, not to the ostensible spammer's address.
5. Consider taking the issue up with your Net provider to block it via the router.

User's Guide

Setting up a

You don't have to have a big business or Pentiums to set up a network. We provide profitable networking solutions for small office and home PCs.

Windows 95

Most of us think networking is strictly for big business, but that is no longer true. Yes, traditional server networking is complex and requires a skilled person to manage it, which may be uneconomical in a small office. To the rescue gallops peer-to-peer networking; it takes little expertise to set up, and almost none to maintain. It's simple enough that it's profitable in even very small offices and in the home. An important cost factor here is one most of us ignore: the presence of old clunkers.

We tend to look on the 'old' PC as something next to worthless, just because Windows makes it creak a bit, and the graphics and double-speed CD reader can't keep up with the latest full-motion, full-screen, all-singing, all-dancing guts-and-gore game. Not so; those are the *only* things it has trouble with — as a computer, it's still perfectly good.

All right, so the old 386SX takes two hours to recalculate a monster spreadsheet in your accounting practice — so what? So your Pentium does the same job in 15 minutes — that's 15 minutes of irritatingly halting multitasking while the machine strains its binary sinews. It's much nicer to set up the old clunker on a network, where you can painlessly transfer data to and from it and let it crunch away all day — or, for that matter, all night — without bothering anyone. You may wish to go the deluxe route and set up a remote control program for it, too (there are several to choose from), but it's no big deal to walk over and click its mouse now and then.

Then you have the old practice of passing cast-off PCs down the food chain: the office boy becomes more useful if he can take on, say, some of the e-mail administration and e-document filing on an old PC which he inherits from the secretary, who gets the 486/100 when the boss buys himself a new Pentium Pro 200 . . .

Shot in the arm

There is an interesting consequence of networking a superannuated PC, which is of interest in the home as well as the office: it gets a performance boost. This is because it can be given access to a larger hard disk or partition on a new, fast machine. Not only does this give the old machine access to more disk space, it's also generally much faster to read and write a modern disk across a network than the elderly local hard disk. Another benefit of peer-to-peer networking is that CD readers, tape backup drives and such can be shared freely — even floppy drives if need be.

Another important use of old clunkers is as peripheral servers. Even an unimaginably ancient 286 (they used to be called AT, for Advanced Technology) can comfortably run a printer or scanner, or even a modem, where the entire workgroup can share it. Oh yes, the latest and greatest desktop unit can do all those things for itself, without interfering a great deal with whatever else the user is doing — but when you have a server doing the job, there is *no* interference, and also no nuisance when somebody else in the office needs to scan or print or whatever.

Likewise in the home; mum doesn't need to have the concentration on her doctorate thesis broken just because dad wants to print out the latest cricket scores from the Internet . . . It's particularly nice because it's so hassle-free. You fling the print job at the network, which calmly queues it with other jobs and prints it whenever the printer becomes available, leaving the finished result to be picked up when convenient. Sharing a modem works the same way, depending on software. There's a nice bit of cost-saving to be had here, as one modem and one line can serve a number of users. If it's an Internet connection, you can even have two or three users surfing or handling e-mail at the same time, although the traffic tends to slow proceedings down. I'm using a program called Artisoft Modemshare, which has turned out to be very effective.

network

That dreary chore, backing up, also takes on a new look when you network. It's annoyingly expensive to buy a tape drive for every computer in the household, so for most of us, it's heaps of floppies or no backup at all. Well, a tape drive — or better still, a Zip drive or other high-capacity removable disk — handles all the backup across the network and lets all your machines be backed up automatically overnight.

Choices, choices

Now that I've talked you into trying networking, you'll be wanting to know how to do it. First, you have to make a few choices. Are all your machines running Windows, either 3.11 or 95? That would make it simple; Windows for Workgroups and Windows 95 come with peer-to-peer networking built-in. Plain old Windows 3.1 and the cut-down retail version of 3.11 don't, so you'll need to either upgrade to Windows for Workgroups or get a third-party networking system, such as Artisoft's Lantastic — the market leader in this area. The same goes if you want to run one or more plain old DOS machines on your network; early Windows for Workgroups came with a standalone DOS client, but that was removed.

However, I'll assume that we're dealing with Windows for Workgroups and/or Windows 95, as this would be the commonest case, and certainly the easiest to manage.

Cards and cables

First, you need a small amount of hardware: a networking card for each machine and some cabling. The easiest and least expensive networking system in the home or small office would be so-called 'thin Ethernet', which is a coaxial cable like the antenna cable on your TV. You simply daisy-chain all the workstations on a single line with a tee connector at each, and the two end workstations have tee connectors terminated with a resistor plug. Another type is "10base-T", which uses ordinary telephone wiring. The wire is cheaper, but you run into complications: you can hook up two machines with a simple crossover cable, but when you add more workstations, all except the end ones have to have two networking cards — or you need to hook up a so-called hub (similar to a PC in cost) with one wire to each workstation.

Installing the cards in the workstation is not complicated. Like other cards, networking cards come in plug-and-play or with jumper setup. What you need to set up are the interrupt and the port address and the first step is always to find out what resources are free (see 'Interrupt me, please').

Once the card is installed and set to vacant IRQ and port values, it's time to install the driver software and network operating system. Software installation is done in two stages: first install the network operating system and interface card drivers, then configure a user on each machine (see 'Networking Windows for Workgroups 3.11' and 'Networking Windows 95').

From here on in, with a working network, it's just a matter of using it to best advantage. In 3.11 you use the File Manager to share and allow sharing — very convenient with the button bar — and in 95 you use the Network Neighbourhood icon on the desktop to get access and Explorer to grant access to files and folders. Access can be read-only or full, with and without passwords.

A small tip to finish with: if others will access your machine while you're not working on it that very minute, don't set up an elaborate screen saver — they load the system heavily and slow network access to a crawl. The standard Blank Screen is the best, as it takes no resources.

by Jan Wikström

Windows 3.11

If it ain't broke, don't fix it! That's particularly potent advice for PC networks — those mysterious monsters that often appear more motivated by magic than by logic. We can't produce a magic wand for Windows networks, but we can serve up a selection of saviours from our bag of network tricks.

Naughty network card

Network cards usually claim part of the upper memory area (UMA), which comprises the locations between 640Kb and 1024Kb. This is the same section of RAM that emm386.exe uses for managing expanded memory (EMS) and/or loading device drivers and TSRs high into upper mem-

Hot tip

Sharing CD-ROMs

To share your CD-ROM drive on a Windows for Workgroups 3.11 network, add the /s switch to the line in your autoexec.bat file that loads mscdex.exe. Other PCs on the network don't need to have mscdex.exe loaded in order to use your CD-ROM drive. — *Link Harris*

What you need:

Network card and cables

Windows 95

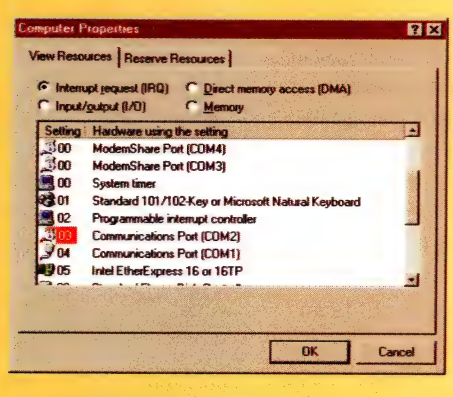
Windows 3.11

Windows for Workgroups 3.11 and/or Network software

Interrupt me, please

Finding available interrupts on a Windows 95 machine couldn't be simpler: open Control Panel, System, select Computer and click Properties. If you get it wrong, the system will warn you of conflicts later when you install the driver for the card.

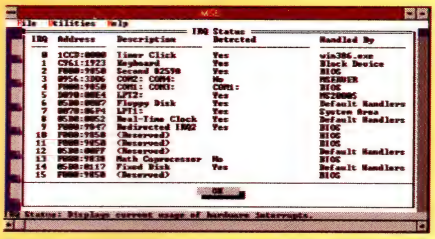
The main Wikström machine 'Bluto' has



its networking card on IRQ5. Note the 'virtual ports' belonging to Modemshare on 'no IRQ' — a clever bit of virtual flim-flam to run several apparent modems where there is only one.

On a Windows for Workgroups system, run MSN — you'll find it in the Windows directory. MSN can be tricky; it shows all the standard interrupts used in 'Bubbles', the old 386/33 that fills out my network, (below) but is coy about the network card. It's labelled LPT2 (and it certainly is not a second printer port) and the handler is shown as MS2000$; I know that this is a Novell/Anthem NE2000 card only because I installed it.

This report also doesn't show the soundcard, which sits on IRQ7 but strangely doesn't conflict with the printer port. It's a good idea to keep notes of any extra cards



and their settings when you work with Windows 3.11 — especially because there is no warning if you get it wrong. The system will just start acting strangely. Note that the Modemshare server controls IRQ3; the real modem is on COM2 and a virtual one on COM4. 'IRQ status detected' means only that the item concerned happened to be active when MSN did its survey.

by Jan Wikström

ory blocks (UMBs). If both the network card and emm386 try to grab the same slice of the UMA, this conflict could cause your PC to hang when booting, keep emm386 from loading or play havoc with applications that call on EMS.

Taming emm386

The secret to peaceful coexistence is to keep emm386 away from the network card's UMA playpen, and the way to do this is to add the x (for exclude) parameter to the line in your config.sys file that loads emm386. For instance, the line:

```
device = c:\dos\emm386.exe noems x=D800-DFFF
```

provides UMB support, but excludes the RAM range D8000 through DFFFF (in hexadecimal) — which corresponds to 864Kb to 896Kb. Note that the final hexadecimal digit is dropped for the range used with the x parameter. You'll have to reboot your PC to put the x exclusion into effect.

How do you know what should follow the x for your PC?

Step 1: First check the documentation with your network card for the two hexadecimal values. If there's only a single value (called the base memory address or RAM start address), put that as the first entry. Then add 7FFF to the start address (or add 7FF if the start address is given as four digits) to get the second entry following the x. This reserves a 32Kb slice for the network card.

Step 2: If the network card docs don't help, check the Memory options in Microsoft Diagnostics (type msd at the native DOS prompt) with and without your network card active. This should show what memory locations the network card is using.

Step 3: If there's no joy from either of the previous steps, try typing memmaker at the native DOS prompt and press the Spacebar to choose Custom Setup.

In the Advanced Options screen, answer Yes to "Specify which drivers and TSRs . . .?" and No to "Keep current emm386 exclusions and inclusions?". Then continue with MemMaker's optimisation. MemMaker is supposed to pick up the likes of network cards and tack the corresponding exclusion range onto the emm386.exe line — but it's the least reliable of these three alternatives.

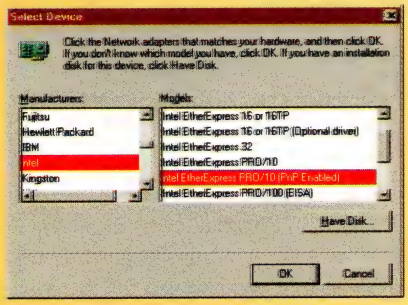
Network cards can create the same RAM clashes with Windows that they do with emm386. These confrontations can cause Windows to hang at the opening logo screen or create other, more insidious symptoms. If your config.sys file loads emm386 with an x exclusion string, such as x=D800-DFFF, Windows will pick it up and sidestep that territory. If you're not using emm386, you can have Windows avoid the same area of RAM by adding the line:

```
EMMExclude=D800-DFFF
```

to the [386Enh] section of your system.ini file. To add

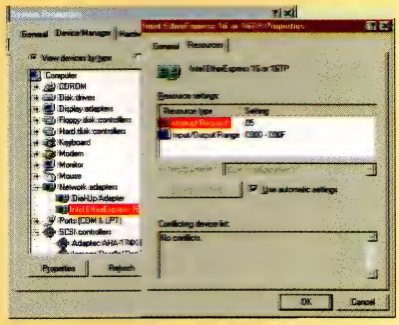
Networking Windows 95

Windows 95 offers its usual convenience: select Control Panel, Add New Hardware and give Windows its head. Only if it fails to detect the networking card correctly do you need to go into manual installation — and even then, if the card isn't simply a "not-quite-clone" that Windows


Select Device
Click the Network adapters that matches your hardware, and then click OK. If you don't know which model you have, click OK. If you have an installation disk for this device, click Have Disk.
Manufacturers:
Models:
Fujitsu
Hewlett-Packard
IBM
Intel
Kingston
Intel EtherExpress 16 or 16TP
Intel EtherExpress 16 or 16TP (Optional driver)
Intel EtherExpress 32
Intel EtherExpress PRO/10
Intel EtherExpress PRO/10 (PnP Enabled)
Intel EtherExpress PRO/100 (EISA)
Have Disk...
OK
Cancel

doesn't know, this is a warning signal that possibly some jumper on the card is in the wrong place.

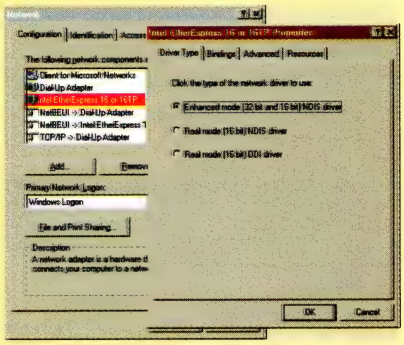
When the card is installed and the computer rebooted, select Control Panel, System, Device Manager, click on the network card icon and select



Properties to verify that there is no conflict. If there is, this is where you can analyse what causes the conflict and decide on a solution. Note the message 'no conflict' at bottom-right.

The 'Dial-up Adaptor' icon visible on the left is a virtual one installed by Windows 95 for dial-up networking — but that's another story, for later.

The next step is to go to Control Panel, Networking. Again, the Properties button produces a great deal of information — most of it useful only to track down and fix problems, or to set up an unusual network. Default options



will be correct for a normal Windows for Workgroups system.

The Identification tab above opens this dialogue box to set names exactly as for Windows 3.11. The Access Control tab offers an extra option: you can have access security by password in the usual way but also limit access to particular users or workgroups.

by Jan Wikström

the appropriate line, first follow steps 1 to 3 above to determine the RAM exclusion range to use instead of D800-DFFF for your network card. Then make a backup of system.ini and open it in a text editor, such as Windows Notepad or DOS Edit. After inserting the line and saving system.ini, restart Windows to put the exclusion into effect.

Slick sharing

Windows for Workgroups 3.11 (WFWG) comes with vshare.386 v3.11.0.300. This loads from system.ini so, to share files over a network, you don't need to load the DOS program share.exe from your config.sys or autoexec.bat file — as you do with Windows 3.1x. Unfortunately, some Windows applications, as well as shared copies of Windows 3.1x run over a network, often can't tolerate share.exe.

The archive file ww1000.exe contains the updated vshare.386 v3.11.0.402 that, unlike the original WFWG version, also works in Windows 3.1x running in 386 enhanced mode. The update also cures a problem that sometimes causes WFWG to hang when you reboot. If you currently have vshare.386 in your \WINDOWS\SYSTEM directory, make a backup copy before following the installation instructions in the readme.txt file contained in the archive.

Windows for Workgroups

Windows for Workgroups 3.11 (WFWG) comes with its own networking software that lets you share files and printers with other PCs running WFWG. Called Microsoft Windows Network, this peer-to-peer package can be used together with — or instead of — other networking software. Don't be bamboozled by references to a different product, MS-Net (officially known as Microsoft Network and sometimes called Microsoft Network Client for DOS) discussed in the networks.txt and networks.wri files that accompany DOS and Windows, respectively.

Tweaking for the timid . . . and the intrepid

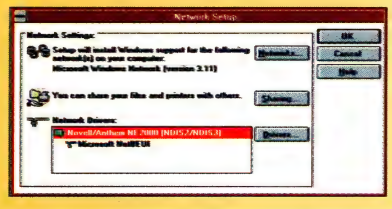
Unless you're a network nerd, the safest way to customise the Microsoft Windows Network is from the Network option in Control Panel or with one of the utilities, such as Net Watcher, housed in the Network group. However, some esoteric settings can only be changed by attacking your system.ini file with a text editor. For instance, a piece of conventional RAM is reserved as a buffer used when

PC User Offline

The Microsoft Windows for Workgroups Knowledge Base and the archive files for the four updated drivers are included on this month's CD-ROM. See page 3 for details.

Networking Windows for Workgroups 3.11

In Windows for Workgroups 3.11, you need to run Windows Setup and select Options, Change Network Settings. This opens the dialogue box below, where you work your way through from top to bottom.

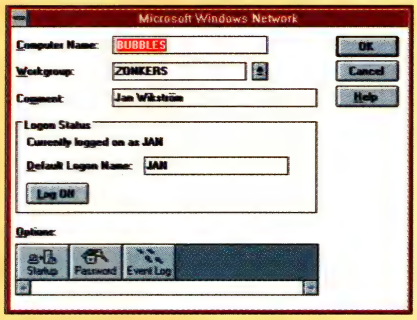


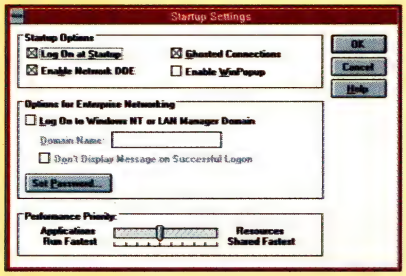
As this is a simple network, select Windows Networking Only from the dialogue box that opens from the Networks button. The Sharing button lets you give the user on this workstation the option to share its files and printers with other machines; the user still has to give that permission for individual items, so if there is something he/she doesn't want to give others access to, that can still be kept locked away.

The Drivers button, finally, opens the usual list box selection process for network card drivers. If your card isn't on the list, you do the same as with any other hardware and select the 'unknown' option and give the machine the floppies that came with the card as prompted. As to protocols (same button), the default NetBEUI will be there. Don't select additional protocols unless connecting to a network that already uses them; they'd clog the system and do nothing for you.

Now, all that just gets the network going. To use it, you have to open the Network icon on the Control Panel, where you name your computer and workgroup.

It doesn't matter much what you name the computer and workgroup — have fun — but don't divide your network into several workgroups unless absolutely necessary; if you have more than one group, anybody that needs to interact with members of two groups has to logon one at a time, and you need to buy a mail server to have e-mail within the office.





The Startup button opens this window, where you can specify when you want to logon (usually on bootup), and what password you want to use. Be careful; once you select a password, you have to make sure you'll remember it. If security is not essential, leave this option alone. The NT/LAN Manager settings won't be needed unless you have a network of that type rather than Windows for Workgroups.

There's also an option to assign resources to local programs and the demands of other users on a sliding scale. If the machine you're setting up is a pure server and won't be used as a workstation, it makes sense to shove this slider all the way to the right.

by Jan Wikström

transferring data over the network, with the default size of 12Kb set by the line:

NetHeapSize=12

in the [386Enh] section.

With a magic wand firmly in hand, you can usually reduce the buffer size to 4Kb, picking up 8Kb of conventional RAM for applications. On the other hand, if your PC hangs or suddenly quits to the DOS prompt when you copy a large number of files over the network, you should try increasing NetHeapSize to 32, 64 or even 128.

Win 95? Why not!

If you're running WFWG, its Microsoft Windows Network will also talk to PCs running Windows 95. To tune a Win 95 PC to the Workgroups wavelength, select Start, Settings, Control Panel, Network, Configuration. Then be sure Client for Microsoft Networks is (1) selected in the Primary Network Logon window and (2) checked in the Properties, Bindings tab for NetBEUI protocol.

Pacify non-NetBEUI packets

If you run the 3COM Etherlink III driver (elnk3.386), your PC could hang when the network is busy — particularly if there are several types of data packets other than those for NetBEUI. The archive wg0990.exe holds an updated driver that fixes the problem.

Recalcitrant redirector

A redirector is a program that juggles requests for resources, such as files and printers, shared over

a network. Here are some tips for taming the WFWG redirector that lives in net.exe.

1. Perpetual Logon. The Windows redirector can operate in either basic (the default) or full mode. Running in WFWG, the full redirector will accept usernames of up to 20 characters, but the limit is 15 for the basic redirector. However, the basic redirector gives the thumbs up if you type in a username of 16 to 20 characters, then rejects it internally. This makes it ask for your username and password every time your PC attempts to access the network. To actually get onto the network, you'll either have to shorten your username to 15 characters maximum or run the full redirector — by adding (or editing) the line:

AutoStart=FULL

in the [Network] section of your system.ini file. There's more about the basic and full redirector, including a complete set of NET START options, in MSKB Q89482.

2. Network Storm. If you're running the basic redirector and one of your applications regularly hangs the network, it could be because that application asks the network to read past the end of a zero-byte file — a request that sends the basic redirector into yoyo mode. Running the full redirector, instead, thwarts the network storm. For more info, check out MSKB Q122494.

3. Use the full redirector. The basic redirector occasionally falls over when writing files to a network server, saving zeros for part of the file instead of its correct contents. Again, using the full redirector avoids the problem. If you want to stick with the basic redirector, there's an updated net.exe, net.msg and neth.msg in the archive nnet.exe, and further details in MSKB Q129164.

Stop Unix snoops

If you have any Unix-based computers on your network, they could have access to an entire drive on your PC when you only intended to share one subdirectory on that drive. Stop the snooping by installing the updated vserver.386 from the archive wfwvsrvr.exe.

by Link Harris

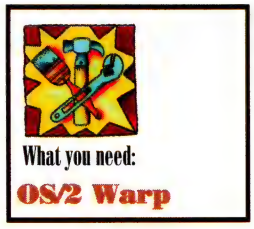
Warp 4.0 performance tips

Mark Rogers provides performance boosters for your OS/2 system.

Add RAM

OS/2 Warp is excellent at handling 'memory overcommitment' which simulates RAM on your hard disk. This is a great idea until you start to load multiple applications, and even though they still run, your system gradually slows the more you load. The reason being that real RAM is much faster than simulated RAM.

There are many ways to tweak OS/2 Warp to improve performance, however, the best booster of performance is the addition of extra RAM.



Any RAM above the requirements listed in the box 'Realistic OS/2 Warp RAM minimums' will speed up your system anywhere between 25 to 50 percent. So with RAM prices being the best ever, this is the easiest way to improve performance.

If you don't have spare cash to spend, we'll be providing Warp performance tips over the next few months.

Avoid DLL overload

The first fundamental rule for those with the minimum amount of RAM is don't install anything you are not going to or no longer use. This is because some programs will load Dynamic Link Libraries (DLLs) using your OS/2 config.sys file. These take up RAM, which lessens the amount of real RAM on your machine, hence making it slower. They may also add extra entries to your path commands in the config.sys file, possibly slowing things down further.

File system pros and cons

The file system that OS/2 Warp runs on can also make a difference. If your hard disk is running the Fat Allocation Table (FAT), you may be missing out. Using OS/2's High Performance File System (HPFS) you will be able to use long filenames, as well as store your data more efficiently. The HPFS system is much more resistant to fragmentation (the scourge of FAT-based drives) as it uses the more efficient Balanced-Tree system. However, there are three disadvantages.

Firstly, HPFS uses an extra 300Kb of RAM, so it's not ideal in low RAM situations.

Secondly, unless you have a program like Partition Magic, you must reformat your drive, which means a full backup and restore with an OS/2-based backup program.

Thirdly, dual-boot will no longer work, as DOS cannot understand HPFS. This may not be such a big problem as OS/2 Warp does a great job of running DOS applications. If in doubt, test them from OS/2 first to make sure. ❑

Realistic OS/2 Warp RAM minimums

OS/2 2.x: 486DX or higher, 12Mb RAM
OS/2 3.x: 486DX/2 or higher, 16Mb RAM
OS/2 Warp Connect: 486DX/2 or higher, 16Mb RAM
OS/2 Warp 4.0: Pentium 100 or higher, 16Mb RAM (without voice dictation), 32Mb (with voice dictation)

Office 97 upgrade guide

Rose Vines reveals the best new features in Microsoft Office 97, what to watch out for and how to get productive — fast.

User Level

Expert

Accomplished

Casual

New

What you need:

Microsoft Office 97

Unlike Office 95 which was little more than a 32-bit makeover of the previous version of Microsoft Office, Office 97 is a dramatic upgrade. There are things in this program that will knock your socks off and make you wonder if, in at least a few areas, Microsoft has come close to perfection in application development. There are other areas that most emphatically need more attention.

Such a dramatic upgrade demands a lot from users. If you're an experienced Office user, you'll be confronted with radical changes the moment you open your favourite application in the suite. And, of course, you'll find an additional application, Outlook, which you'll need to come to terms with.

Try this: *Create a hyperlinked collection of documents*

Most people think of hyperlinks in terms of Web browsing. But with Office 97, your hyperlinks can point to Web sites and files, files on an Intranet or LAN, or files on your hard disk.

Thus it's a simple task to refer to other documents and create links directly to them within a Word document, provided the person who is reading the document has access to the hyperlinked documents. Try this:

1. Open a new document in Word and save it and give it a name.
2. Click the Insert Hyperlink button on the toolbar to display the Hyperlink dialogue box.
3. Click the Browse button beside the Link To File Or URL box.
4. Locate an Office document (spreadsheet, PowerPoint presentation, database, Word document) or HTML page on your hard disk, highlight it and click OK twice to insert a hyperlink to that document in your Word document.

You can create similar linked lists in the other applications, including Outlook e-mail messages, provided the documents you link to are all available via LAN, Intranet or Internet to your recipients.

Girding your loins

Before you rush out and buy the latest Office, you should ensure your computer has the right stuff to run it.

It's not that Office 97 is dramatically worse on your computer's resources than Office 95, but if you're on a pre-Windows 95 version of Office, you really should know what you're in for. And, if you're upgrading from Office 95 and have found your machine a little sluggish under its weight, beware of resource hogs like Outlook. In particular, if you choose to use Word as your default e-mail editor in Outlook, you'll need a machine that relishes hard work.

On the box, Microsoft mentions minimum specs, including 8Mb of RAM. Well, 8Mb will let you view the product onscreen, and not much more. I'd suggest 16Mb is the more realistic minimum (you can get away with 12 if you never multitask), and I'd want a top-line 486 processor or, preferably, a Pentium. Also, make sure you have around 120Mb of spare hard disk space for a basic installation; add another 100Mb if you want to include everything in the Professional Edition, including Access.

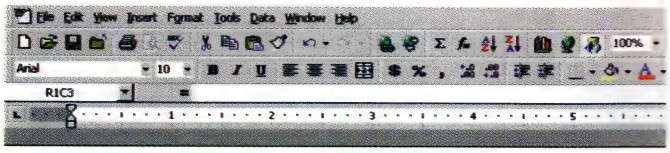
There's one other thing you should keep in mind before diving headlong into using Office 97: each application uses a new file format, which is not backwards compatible with earlier versions of the product. While you'll be able to read all earlier versions of Office documents, if you share information with people using Office 95 or a Windows 3.1 version of the product, you will have to be very careful about saving your files in the appropriate format or as an RTF (rich text format) file readable by all previous versions.

If you do save files in an older format, you may well lose some of the more interesting features offered in Office 97, including such things as hot links and the new style frameless graphics.

A little handholding

Where do you start when trying to come to terms with Office 97? The answer is the same whether it's

OfficeArt is a sophisticated drawing component shared across all the Office applications. The standard OfficeArt toolbar has tools for drawing all sorts of lines and shapes, creating WordArt, colouring, filling, extruding and creating callouts. Dig a little — you'll find controls for 3D effects and even some basic lighting controls. It's a welcome addition to Office, and if you learn it once, you can carry that knowledge across the applications.



Pick the application! It's Word, not Excel, although it's hard to tell from these menus. The integration of the applications in Office means you can insert a Word document in an Excel spreadsheet, a PowerPoint presentation in an Access database and so on. When you do, you'll see a merging of the relevant commands from the two applications in the menus. Seamless and easy to use.

your very first time using Office or you're familiar with previous versions, including Office 95: the Office Assistant (OA).

Online help has had a notoriously bad name in the past. With Office 97, Microsoft has done a dramatic revamp of its online help system, turning it into something that truly is helpful.

Most online help is passive; Microsoft's Office Assistant is not. Its 'push' help is in your face and sometimes downright annoying if you don't learn how to control it. The Office Assistant watches how you work, jumps in when you get stuck, and offers tips and alternatives.

The problem with most online help is you have to know the correct question to ask in order to get the help you need. This stumps many beginners. The Office Assistant gets around this problem, being always on hand to offer support that's relevant to your current context.

If, for example, you start typing "Dear Clarissa", the OA will pop-up and say: "It looks like you're writing a letter. Would you like help?". If you accept its offer, it will start the Letter Wizard, which steps you through creating a letter.

The Office Assistant also offers a vastly improved 'natural language' capability. That means you can double-click it, type even a terse request such as "show me columns" or "coloured text", and it will offer you a list of relevant help topics. It does a much better job of providing relevant help in this way than any previous version.

If you're experienced with Word, you might be inclined to close the OA down immediately. It's actually worth letting it sit on your desk for at least a little while. When you first start using Office 97, especially brand new apps such as Outlook, the OA offers some useful pointers.

The nice thing about the OA is you can set its trigger level, determining how often it pops up with suggestions. Right-click the Assistant at any time and choose Options to change its degree of pushiness. If you close it down, it hides itself on a toolbar and a single click will activate it so you can search for help on a specific topic.

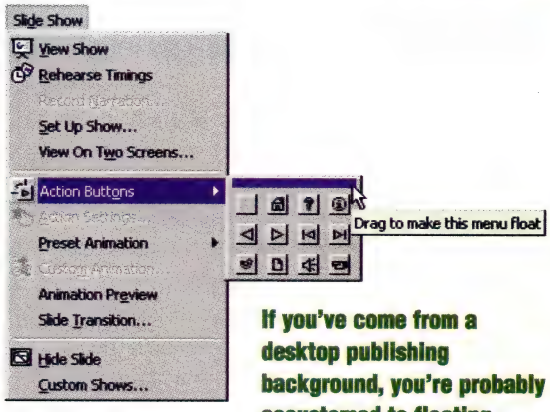
Automation

One of the tricks with Office 97 is to let it do much of the work you'd normally do yourself.

Microsoft has extended its 'IntelliSense' technology that corrects spelling errors and other typos on-the-fly so it works throughout the applications and also handles grammar errors in Word.

Other automation features include:

- **Auto-complete.** Start typing the first few letters of a commonly used word or phrase, such as *Dear Sir or Madam* or *Best regards*, or any phrase you've added to your AutoText list, and word will pop-up a little box showing the full phrase. Hitting Tab or Enter will insert the full phrase. It's a little tricky in operation for fast typists; but if you're slow to middlin', it will save you a lot of keystrokes. And it makes it highly worthwhile to stock up your AutoText list (highlight the text you want to turn into AutoText, open the Insert menu, choose AutoText, New and give it a name).
- **Formula AutoCorrect.** In Excel it fixes up those easy-to-make errors such as missing parentheses in your formulae.
- **Wizards.** Wizards have been a feature of Office for some time, but the current crop is unparalleled. You'll find Wizards for everything from writing a letter to creating a workout schedule. If you're not sure how to complete a task yourself, give a Wizard a try: it may not do the job perfectly, but you can customise the final result. Especially in a complex application such as Access, you'll find the database Wizards will get you up and running with good-looking serviceable



If you've come from a desktop publishing background, you're probably accustomed to floating menus that you can move around the screen, so they're easily accessible but don't obscure the view. Office has 'tear-off' menus which do much the same thing. You'll find tear-offs in the OfficeArt component and in PowerPoint. Look for any menu item with a dark strip across its top; then click and drag by the strip to detach the menu.

Try this: *Make your text sparkle*

Okay, so this may not be a productivity enhancement. But there's something very attractive about a product that lets you have fun as well as helping you in your work.

In the new tabbed-style Font dialogue box (Format menu, Font) you'll find an Animation tab. Select some text and then have a look at the options in this section. You can make your text twinkle, put a border of 'marching ants' around it, or make it shimmer (and drive readers crazy). Not suitable for an office memo perhaps, but great if you're creating an invitation or card you're going to e-mail. Keep in mind that only those with Office 97 or Word 97 will be able to enjoy this effect.

Similarly, you can produce stylish e-mail by using one of Outlook's in-built templates. From Outlook's File menu, select Choose Template, and then choose one of the e-mail templates. There's a neat 'While you were out' form, and some fancy 'papers'.

Try this: *Customise menus and toolbars*

Advanced users of Word will be familiar with customising their toolbars and even their menus to suit their own particular needs.

In Office 97, the menu and toolbar structure has become even more fluid, and you can make changes to them in all the applications except Outlook, which is glaringly out of step in its interface.

Many commands are available only by digging down through a menu selection and one or more dialogue boxes. That's when menu customisation becomes a big plus: if one of your favourite features normally requires five keystrokes to reach it, why not plonk it straight onto a toolbar, or make it a primary menu selection?

For example, you may find yourself constantly running queries against a database while using Excel. To get to this option by the usual route, you open the Data menu, choose Get External Data and then Run Database Query.

Why not put the Run Database Query directly on a toolbar? Here's how:

1. Right-click on any of the toolbars or menus and choose Customize from the pop-up menu that appears. The Customize dialogue box will appear.

At any time while this dialogue box is open you'll find that items on the toolbars and menus don't function in their usual manner. Instead, you can drag-and-drop them from one place to another. Essentially you're in 'menu design mode'.

2. Open the Data menu, click Get External Data and then *click-and-drag* the Run Database Query item from its position on the menu to a place on one of the existing toolbars. The other items on the toolbar will move over to make room.

3. Once you've positioned the command, right-clicking it will allow you to change the way the command button looks (text, icon or a combination of both).

If you'd like to create a copy of the command in a different spot rather than moving the command, hold down the Ctrl key while you click-and-drag in Step 2 above.

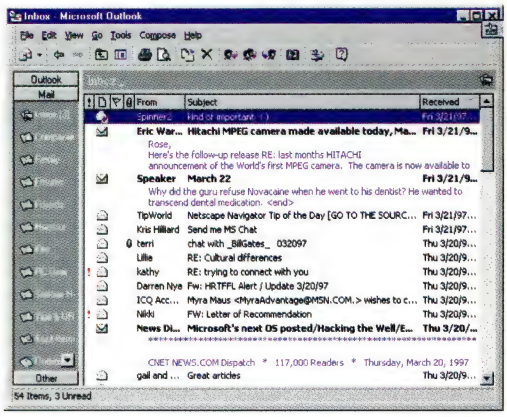
If you 'lose' a command when dragging it around like this, never fear. Just click the Commands tab in the Customize dialogue box, locate the command in the list (they're organised by menu category on the left side) and drag it back onto a toolbar or menu again.

databases in a matter of seconds. In PowerPoint, the Wizards go one step further by providing both the structure and suggestions for the *content* of your presentations. And Excel's new Chart Wizard makes it ever so much easier to create useful visual representations of your spreadsheet data.

- **On-the-fly grammar checking.** We've had on-the-fly spell checking in Word for some time. Now you can do the same with grammar. It's a double-edged sword, this grammar checker, because Microsoft needs to do a lot of work on it before it's anywhere near 100 percent reliable. That means, if your grammar is abysmal, the grammar checker *should* prove helpful, but at the same time if you follow its suggestions slavishly, you'll end up with some real howlers in your documents. If your grammar is not too bad, you'll find it a really useful tool, as it will pick up simple things you've missed and help you keep track of habitual errors you may make.

Customising the apps

Because of the high-level of automation in Office 97 and the depth of features, it's important you take the time to customise the programs to your needs.


Inbox - Microsoft Outlook
File Edit View Go Tools Compose Help
Outlook
Mail
Other
From
Subject
Received
Eric War... Hitachi MPEG camera made available today, Ma... Fri 3/21/9...
Speaker March 22 Fri 3/21/9...
TipWorld Netscape Navigator Tip of the Day [GO TO THE SOURC... Fri 3/21/97...
Kris Hillard Send me MS Chat Fri 3/21/97...
terri chat with _BillGates_ 032097 Thu 3/20/9...
Lillie RE: Cultural differences Thu 3/20/9...
kathy RE: trying to connect with you Thu 3/20/9...
Darren Nye Fw: HRTFFL Alert / Update 3/20/97 Thu 3/20/9...
ICQ Acc... Myra Maus <MyraAdvantage@MSN.COM.> wishes to c... Thu 3/20/9...
Nikki FW: Letter of Recommendation Thu 3/20/9...
News Di... Microsoft's next OS posted/Hacking the Well/E... Thu 3/20/...
CNET NEWS.COM Dispatch * 117,000 Readers * Thursday, March 20, 1997
gail and ... Great articles Thu 3/20/9...
54 Items, 3 Unread

Microsoft calls Outlook, the new application in Office 97, a 'desktop information manager'. If you think that's merely a cute marketing term, think again. This is far more than a replacement for your Exchange Inbox and the old Schedule + personal information manager. Outlook is a highly sophisticated tool for filtering and organising your e-mail, contacts and files.

Take time to get to know the many faces of Outlook. For example, it can replace the old Exchange e-mail interface, letting you categorise, prioritise and preview e-mail. Or, as you can see if you look at the second screenshot, it can even replace Windows Explorer for managing your files. As well as the Explorer-style view of your information, the Outlook Journal lets you keep track of incoming and outgoing mail, all the files you open or create, meeting requests and more. All with Outlook's characteristically high level of flexibility.

In each of the applications, look for the Options item on the Tools menu. This is where you get to tweak and adjust all kinds of settings. Just a few of those settings are:

- Protection from macro viruses;
- Auto-Format, Auto-Correct, Auto-List settings;
- Mouse controls;
- Hyperlink behaviour;
- Drag-and-drop text editing;
- Auto-saving and auto-archiving of documents and files;
- Dynamic data exchange handling.

You'll make your life with Office much more comfortable if you take your time to adjust those settings you understand (some are pretty esoteric).

Let's take one example. The aforementioned grammar checker can be a real pain if you don't set up the grammar options to suit your writing style and the audience for which you are writing. You can increase its usefulness dramatically by choosing exactly what things you want the grammar checker to check. There are several dozen settings to choose from, and you get at them in this way:

1. Open Word and choose Options from the Tools menu to display the Options dialogue box.

2. In the dialogue box, click the Spelling &

Office 97 upgrade Wizard

If you install Office 97 over a previous version of Office, you may end up with old files and registry entries that can be removed. Microsoft has provided a free Office Upgrade Wizard that removes these files and frees space on your hard disk. The Wizard offers a number of choices; you can remove all the previously installed files or only those files that you specify. The files can be removed by end users easily or by a system administrator as an automatic batch process that is fully customisable.

The Office Upgrade Wizard is available from Microsoft's Web site at http://www.microsoft.com/office/ork/default.htm or from this month's PC User Offline CD.

For offices which have the latest release and the previous version of Office, we've included the Word 97 Converter which allows Word 6.0 or 7.0 users to use Word 97 files.

Grammar tab and then click the Settings button in the Grammar section.

3. You'll find five different styles of writing that you can adjust settings for — casual, standard, formal, technical and custom. For each of these styles, there are 20-odd settings, including such things as passive sentences, cliches, sentence structure, possessives and plurals, and gender-specific words. Word has standard settings for each style: very loose for casual, much more precise for formal. You're free to change any of these settings for any of the styles. Without making these adjustments, you're quite likely to turn the grammar checker off. Once you've customised it, however, you'll find it can be quite a handy tool.

Not all option settings are as complex as the grammar settings. Many require nothing more than a single tick in a box to ensure the applications run more to your liking.

The Web on your desk

Microsoft didn't wake up to the importance of the Internet until after Office 95 — and Windows 95 — was a done deal. Because of that, we saw 'tack-on' products such as the HTML Assistants for Word and Excel and the other Office applications and very little else in the way of Internet functionality.

What a difference a year or two can make! This version of Office is completely Web-enabled. Each of the applications can use HTML as a native format. The apps share a Web toolbar which turns them into a Web browser on-the-fly. You can open and save files from a Web server or FTP site as easily as to your hard disk. Everywhere you turn, you see definite signs that Microsoft is now very much awake to the Internet.

The implementation of the new Internet features shows how core this aspect is to the foundation of the new Office. Merely type a URL (Universal Resource Locator — an Internet address) in any of the applications and it will transmogrify into an underlined hyperlink: single-click that link to go straight to the address. Even if you don't have a connection to the Internet, this is a great feature: you can use it to link to any document anywhere on your hard disk or local area network as well, and the uses for such hyperlinked documents are legion.

In Excel, you can place a link in a cell or even in a formula, allowing you to grab a value from the Net or data anywhere on an Intranet. You can even embed a Web query in a cell. The query will then trot off to the Web, FTP or a gopher site and download data as you work.

In fact, you can place a link almost anywhere: in an Access database field, a PowerPoint bullet point, or an OfficeArt drawing object.

With WinWord, you can create anything from a personal home-page to a company site using the Web design tools. For basic Web ventures use the Web Wizard (available through File menu, New, Web Pages) to do most of the work. You don't need to know anything about HTML coding; instead, you work in Word in your usual fashion typing text, formatting it, inserting graphics, and using the Insert Hyperlink button to add links to your pages.

For more ambitious Web projects, there's support for embedding ActiveX controls right in your Word pages, as well as form support.

Similarly, PowerPoint provides tools for creating presentations that you publish directly on the Net. Imagine the ease of creating a whole presentation using the regular PowerPoint tools and then publishing it directly to the Net. To do so:

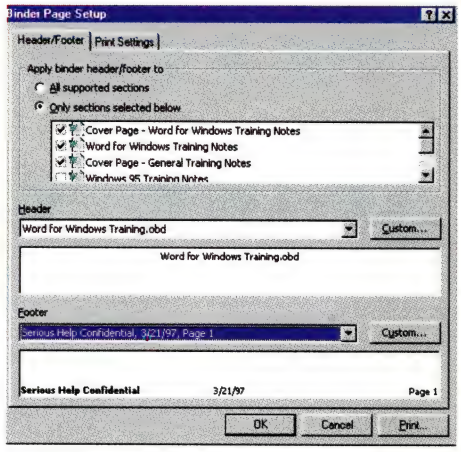
1. Open the File menu and select New.

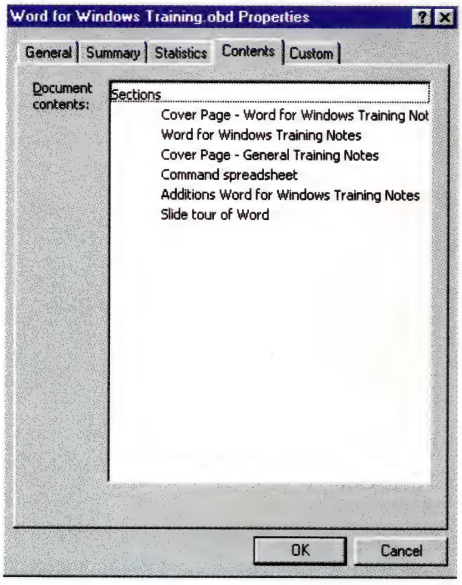
2. In the New dialogue box, click the Presentations tab and then double-click the AutoContent Wizard.

3. Click Presentation Type, choose the presentation type you want, and then click Next.

4. Under 'How Will This Presentation Be Used', click Internet, kiosk, and then click Next. Follow the remaining instructions in the AutoContent Wizard and PowerPoint will create a sample presentation which you can then modify to your heart's content.

5. Once you've finished, click Save As HTML on the File menu. ❑





The most neglected component of Office must surely be the Binder. New in Office 95, the Binder has been improved in Office 97. But most people never even investigate its possibilities. With the Binder, you can bundle a group of Word documents, Excel spreadsheets and PowerPoint presentations and deliver them in one neat package. It's also a great way to group a bunch of documents together so you can work on them all at the same time and see the progress made on a complete project. There's no need to load the individual applications — the Binder does that for you when needed. You can send a Binder full of documents to any other Office user.

Word processing

Make your own menu

Helen Bradley provides a quick and easy way to navigate your Word documents.

User Level

Expert

Accomplished

Casual

New

What you need:

WinWord 6.0 or 7.0 or 97

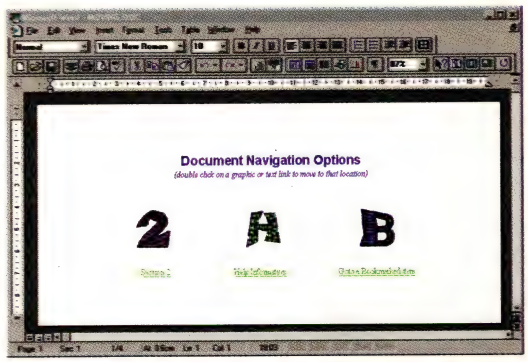


Figure 1a: Using field codes you can create fun ways of navigating around your documents and running macros . . .

Buried deep in Word's Field Codes are a couple of hot fields you can use to create neat navigation buttons and even buttons to run macros.

In Figure 1a you'll see page 1 of a document which we've created to show you how to use these field codes. The buttons we've created can be used to run macros or navigate documents or even to show document specific help information.

To experiment with the potential of field codes:

Step 1: Start with a new document based on the Normal template and create two pages each in different sections by selecting Insert, Break, Next Page and OK.

Step 2: We'll make page 1 smaller so it fits on the screen and looks like a navigation area. To do this, place the cursor in section 1 (check the status line says Sec 1) and select File, Page Setup. Select the Paper Size tab and in Paper Size select Custom Size and then select Height 10cm, check that the Applies To list box shows This Section and select the Margins tab and set the Top, Bottom, Left and Right margins to 1cm and again make

Other link options

Bookmarks

Apart from specifying the line or page to move to, you can create a bookmark and move to the bookmark location. To create a bookmark, position the cursor at the point you want to mark and select Edit, Bookmark, type a name for the bookmark and select Add. Now you can refer to the bookmark in your {GOTOBUTTON} field, so this field code would move you to a position in your document where the bookmark textpoint has been set:

{gotobutton textpoint {includepicture "c:\\msoffice\\clipart\\tools.wmf"}}

Text links

You can create text links that resemble hypertext links by using text instead of graphics in the GOTOBUTTON field. For example, this field code will take you to line 2 of page 3:

{GOTOBUTTON p3l2 Page 3 Line 2}

You don't have to use quote marks around the text and if you format it with colour and underlining, it will resemble a hypertext link. In Figure 1a the three green text items are navigable text formatted as green and underlined; these match Windows Help information jump links and so should be recognisable to your user. The field codes for all the text and graphics links from Figure 1a are shown in Figure 2a.

Running macros

You can use the {MACROBUTTON} field code to run macros the same way you use the GOTOBUTTON field to relocate the cursor. This field code will run a macro called PrintPageTwo by selecting the text:

{MACROBUTTON PrintPageTwo Print Page Two}

and this will run it by selecting the picture printer.bmp assuming you have such a graphic:

{MACROBUTTON PrintPageTwo {includepicture "c:\\clipart\\printer.bmp"}}

For more information look up MACROBUTTON in Word help.

WinWord hot tips

Shortcuts keys

Use these shortcut keys to work with field codes:

Shift F9	Show/hide field codes
Right click on a field code	Shortcut menu
Control F9	Inserts an empty field code
Insert, Field	Provides a list of field codes
Edit, Select All, and F9	Update field codes in the document

Control+F9

Field code brackets can only be entered using Control+F9 or the Insert, Field dialogue box. Using the curly brackets on the keyboard doesn't have the same result.

One liners

When you are typing field codes make sure the text or graphic information is not split by a line break — it must appear on one line. If it does not, you will get an error message.

Framing it

Placing a field code in a frame gives you better control of its placement on the page and you can line up graphics and text links neatly. Create your field codes first, switch to viewing the results of the codes and then select each text link or image, one at a time, and use Insert, Frame to place the image in a frame. Remove the border from the frame by selecting it and using Format, Borders and Shading, None and click OK.

You can now click and drag the images into place. Pressing Shift+F9 will show you the frames, possibly layered on top of each other, if you need to edit them.

The graphics in Figure 1a have been placed in frames with their borders removed.

Document location options

You can locate your cursor in a specific position in your document using these shorthand references:

s*n*	section number	eg.	s4	Section 4
l*n*	line number	eg.	l10	line 10
f*n*	footnote number	eg.	f2	footnote 2
a*n*	annotation number	eg.	a3	annotation 3
p*n*	page number	eg.	p4	page 4

You can also join these shorthand items together to create combinations such as page 1 of section 2 can be represented by: s2p1 etc.

sure the Applies To list box shows This Section and click OK. This page should now be big enough to fill the screen if you select View, Zoom, Page Width.

Step 3: To create a button to navigate to page 2, you'll need an image approximately 100 by 100 pixels in size. Use Paint Shop Pro or a graphics package to resize a graphic image to about this size and save it. Move to page 1 of the document and create a field code by pressing Control F9. If you don't see a pair of curly brackets on the screen press Shift F9 and they should appear. Move the cursor between the brackets and type gotobutton s2 and then press Control F9 to add another set of brackets inside the first and type inside these includepicture "c:\\msoffice \\clipart\\scissor.bmp" (but replace the image file path and filename with your own). Note that you must use two backslashes to refer to a single backslash in the path.

So, if you have an image called tools.wmf and it is in the directory C:\MSOFFICE\CLIPART\TOOLS. WMF then your field code should look like this:

{gotobutton s2 {includepicture "c:\\msoffice \\clipart\\tools.wmf"}}

Step 4: Press Shift+F9 to hide the codes. If you do not see the image file on the page, select Edit, Select All and then press F9 to update field codes. Your button should now appear. Save the file and test it by double-clicking on the button with your mouse. Your cursor should move to section 2 of your document (the top of page 2).

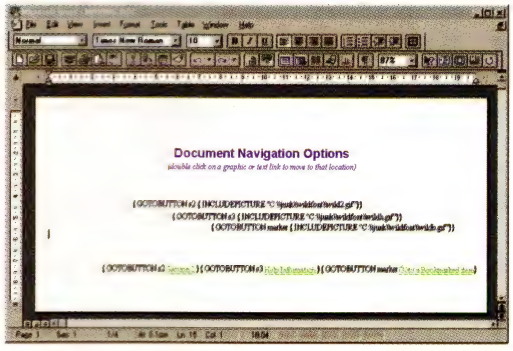


Figure 2a: These field codes contain the text and image links that form the basis of the document in Figure 1a although the frames have been moved so they are visible.

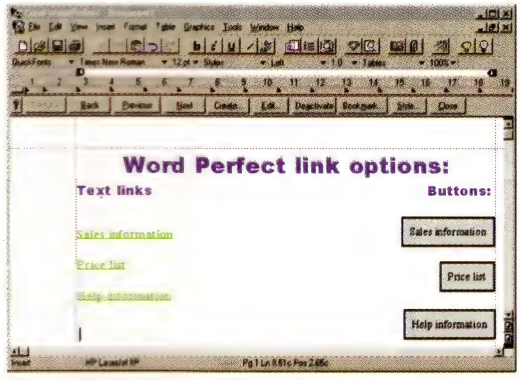


Figure 3a: WordPerfect will format buttons and text links for you automatically and with the Hypertext feature bar displayed you even get a 'Back' button with browser-like functionality.

Other word processors

Links in WordPerfect 7.0

WordPerfect has a link function which allows you to move to bookmarked areas of your document. To create a link, first move to the position to bookmark and select Insert, Bookmark, Create and type a name and click OK. Now go to where you want the link to appear and select Tools, Hypertext/Web Links. Type the text to use as the link and select the Create button on the toolbar. From here you can select to link to a bookmark, a macro, a bookmark in another document, or even a Web document. You can select Text to create a text link (green underlined) or Button to create a button and WordPerfect will format it automatically for you. When the Hypertext feature bar is displayed on the screen (Figure 3a) you can use the Back button to jump back to the link button.

Links in Word Pro 96

Word Pro offers you a Click Here Block that you can use to navigate a document. First set bookmarks at every location you want to jump to by placing the cursor there and selecting Create, Bookmark, type the bookmark name and select Mark. Then move to where you want the click text to appear and select Create, Click Here Block. From the Behaviour box select Follow a Link and then click the Link button. Select the Bookmark or named anchor check box and then the Bookmarks button. From the Bookmarks list box select the bookmark and select OK. In the Link's Description text box type the text you want the user to click on and then click OK twice. The Click Here Block text appears at the cursor position and double-clicking on it will move you to the bookmarked text.

Sizing graphics in Paint Shop Pro

If you have a suitable graphic which is too big to use you can reduce its size. To do this in Paint Shop Pro, first open the file and then select Image, Resize. Select Custom Size and key in either the width or the height that you want to size it to and select the Maintain Aspect Ratio check box and click OK. This will resize the graphic but keep the relationship between the height and the width consistent so it won't be pulled out of shape. Save the resized file.

Resizing is the best option for simple graphics, for example, those with 256 colours. If, however, when you select the Image menu, the Resample option is available, this may give a better result for graphics with more colours and which are more complex.

Cool uses

Once you've got the hang of these linked graphics and text you'll find them a great way of moving around large documents and providing easy access to document specific macros. Just be careful not to add links in places that will show when you print if you don't want them there.

Spreadsheets

Data reporting

Using Excel's View Manager and Report functions you can store and use multiple screen and printing options for a single workbook. Helen Bradley explains.

To view a worksheet on the screen for use with an overhead projector you'll want the display to be much larger than you need it for normal viewing. Likewise, the same worksheet printed as an overhead transparency will be larger than one printed for an annual report. Excel's View Manager Add-In allows you to keep different "views" of your document and to use these for both viewing the data on the screen and for storing custom printer settings.

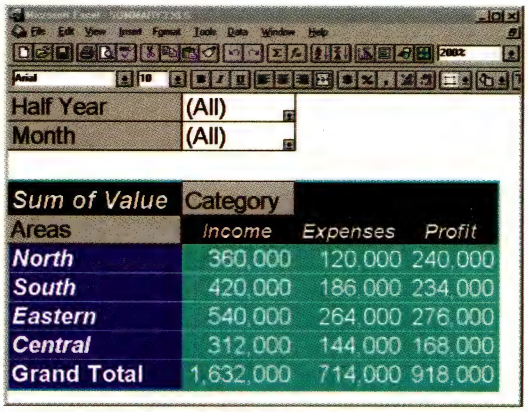
In Figure 1b you can see part of last month's workbook formatted and sized suitably for display on an overhead projector. Saving this as a view will allow you to call up these screen options without having to individually set them (and reset them when you are done).

Step 1: Using last month's workbook (there is a copy on this month's CD-ROM — summary2.xls) select the tab for the annual summary. Set the print options for this page using File, Page Setup. From the Page tab select Portrait paper and from the Margins tab select Center on Page, Horizontally and click OK. So that you can return the screen and printing options to this 'view' later, save it by selecting View, View Manager, Add. Key in the view name as Annual Summary Normal View, make sure the Print Settings check box is selected and click OK.

Step 2: Now, set the sheet up to display on an overhead projector and to print on a transparency. Select Tools, Options and select the View tab. Deselect the check boxes for Formula Bar, Gridlines, Row and Column Headers, Horizontal Scroll Bar, Vertical Scroll Bar and Sheet Tabs and click OK. Using the Zoom options, size the area containing the data to fill the screen.

Step 3: Set this page up to print on a transparency using File, Page Setup, from the Header/Footer tab remove any footer and add a new custom header 'Annual Summary'. From the Page tab select Landscape and select Adjust to 300% normal size (check using the Print Preview button that everything fits okay) and click OK. Save this view of the workbook using View, View Manager, Add. Key in the view name as Annual Summary Overhead View, make sure the Print Settings check box is selected and click OK.

Step 4: Test these views by selecting View, View Manager, click on the view to use in the



Half Year	(All)		
Month	(All)		
Sum of Value	Category		
Areas	Income	Expenses	Profit
North	360,000	120,000	240,000
South	420,000	186,000	234,000
Eastern	540,000	264,000	276,000
Central	312,000	144,000	168,000
Grand Total	1,632,000	714,000	918,000

Figure 1b: This view of last month's workbook sized and displayed suitably for use on an overhead projector can be saved for repeated use using the View Manager.

Views list and click on Show. Test the Page settings for the printer using File, Print Preview. Notice how all the changes you have made to the screen are stored in the second view.

Looking at the workbook summary2.xls you'll see there are 12 months of data and one Annual Summary sheet. To print this as a report would require us to print either each sheet individually or to select the entire workbook which would mean we would have no choice about page ordering and each page would have to be printed using the same options. Excel's Print Report option allows you to select which pages to print and in which order. And, if there are different views of the page with different page setups, we can select these too.

Step 5: To create a Report where all 12 monthly sheets are printed followed by the annual summary, select File, Print Report (View, Report Manager in Excel 7.0) and select Add to create a new Report. In the Report Name text box type 'Months and Summary' and then in the Sheet list click on January and click Add. Repeatedly select and Add the remaining months and finally select the Annual Summary sheet and in the View list select the Annual Summary Normal View and click Add. Select the Use Continuous Page Numbers check box and click OK and Close. Figure 2b shows how the Report Manager dialogue box should look at this stage.

Step 6: To print your report select File, Print Report (View, Report Manager in Excel 7.0), select the Report name and select Print.

Problems with page numbering?

You may find that your continuous page numbering doesn't work — ours certainly didn't. Microsoft Support suggests that the problem may lie either with files in the Excel start directory (XLSTART) or with the MS Office Binder. If you really need continuous page numbering and you are brave enough, start by closing Excel, moving the files from your Excel start directory to a temporary alternate location and then restart Excel and see if the problem is removed. If it is, then one by one, return

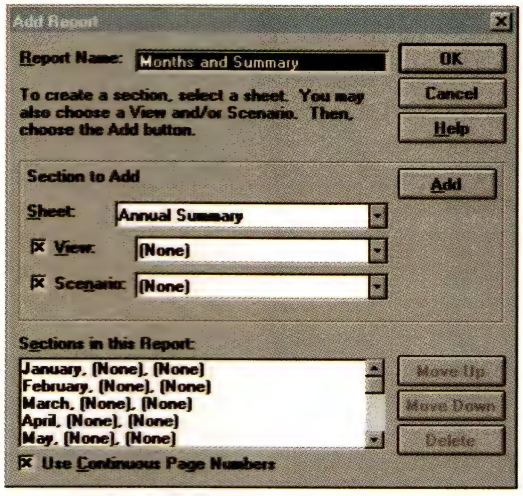


Figure 2b: The Add Report dialogue box allows you to specify which sheets to print, in which order.

the files to the Excel start directory, restart Excel, and test to see which is the culprit.

If removing the files from your Excel start directory doesn't solve the problem, the other possible solution is to remove the MS Office Binder (if you can live without it) and try that.

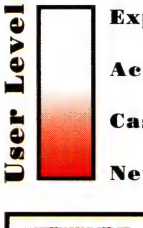
Power to go

View and Reports together can give you a powerful tool for viewing and printing large workbooks. Combined with the View Manager, the Report Manager allows you to effectively create and save custom multiple printer specifications for a document, something Lotus 1-2-3 users will be already familiar with.

Views can also help you ensure that, regardless of who has been using your workbooks and what they might have done to your printer settings, your workbooks print in your preferred style quickly and easily every time. Combine Views and Reports with macros and you have a powerful tool for creating user interfaces for personal and team use.

Can't find the Managers?

If you can't find either the View Manager or the Report Manager on the menus, it is because the particular add-in is not installed. To install any missing Manager add-in select Tools, Add-Ins and from the list select either the Report Manager or View Manager check box and click OK. If the selected Manager doesn't appear in the list then you will need to install the add-in on your hard drive using your original Excel disks.



What you need:

Excel 5.0 or 7.0

HTML source box

Source for the form area:

```
...
Complete the form and click on the <i>Send Now</i> button. And if you visited just to
see how the form is done, select View Source in your browser and have a look at the
HTML source.<p>
<FORM METHOD=POST ACTION="mailto:helen@gips.com.au">
Your Name: <INPUT NAME="Name" TYPE="TEXT"  SIZE="40" ><p>
Email address: <INPUT NAME="email" TYPE="TEXT"  SIZE="40" ><p>
Tell us what you would like to see in future HTML columns: <p>
<TEXTAREA NAME="ideas" ROWS=4 COLS=40></TEXTAREA><p>
What type of computer are you using: <SELECT NAME = "type">
        <OPTION>Macintosh
        <OPTION SELECTED>PC and Win 95
        <OPTION>PC and Win 3.1
        <OPTION>Other PC
</SELECT><P>
Do you have  your own Web page(s)?
<INPUT NAME = "webpage" TYPE = "RADIO" VALUE = Yes> Yes
<INPUT NAME = "webpage" TYPE = "RADIO" VALUE = No CHECKED>No<p>
If you have your own Web page, tell us what effects you've used to create it: <p>
<INPUT NAME = "frames" TYPE = "CHECKBOX"> Frames<br>
<INPUT NAME = "fonts" TYPE = "CHECKBOX"> Fancy fonts<br>
<INPUT NAME = "graphics" TYPE = "CHECKBOX"> Graphics<br>
<INPUT NAME = "gifs" TYPE = "CHECKBOX"> Animated .GIFs<br>
<INPUT NAME = "maps" TYPE = "CHECKBOX"> Image Maps<br>
<INPUT NAME = "scripts" TYPE = "CHECKBOX"> VB/ CGI/Java scripts<br>
<INPUT NAME = "forms" TYPE = "CHECKBOX"> Forms<br>
<INPUT NAME = "visitor" TYPE = "CHECKBOX"> Visitor counter or guest book<p>
<INPUT TYPE = "SUBMIT" VALUE = "Send Now">
<INPUT TYPE = "RESET" VALUE = "Clear and Start again"><p>
</FORM>
Thanks for filling in the form! We look forward to hearing your ideas.
```

Web Workshop

Add forms to your Web site

Helen Bradley and John Hilvert look at forms which allow you to receive information from users.

User Level: Expert, Accomplished, Casual, New

What you need:

Word processor
Internet Web publishing access

Like Image maps which we covered in February's issue (page 78), you can create forms that are client or server side. These names are derived from where the processing of the form is handled; by the server (the computer storing the page) or the client (your computer).

With a server side form, when the user clicks on the Send button the information from the form is sent to the server which processes it for you. A program on the server orders the information and then either stores it, e-mails it or does whatever the program code has been designed to do with it. This program for processing a form is usually written in Common Gateway Interface (CGI) script and you'll need permission from whoever manages your server (Web master) to use the CGI program on their machine. You may find the Web master charges you for looking at the code to make sure it is safe to run on their machine. You don't have to create the CGI script yourself, though, as you'll find a range of suitable programs for downloading on the Web.

On the other hand, a client side form is handled by the browser software itself and there is no need for information to be processed by the server. This makes client side forms simple to setup and test and faster to use because there is no interaction with the server machine. However, as you'll see shortly, the output isn't very neat and you'll need to tidy it up before you can present it in a meaningful way. Additionally, as client side forms will only work with Netscape 2.0 and above, and they don't work with Internet Explorer, they really aren't a 100 percent solution.

For now though, as most of what we are covering in basic form design is the same whether you create a client or server side form, we'll create a client side form which will work just fine with Netscape 2.0 and above.

Creating a form

You won't need any special software to create a form but you will need to plan the information you want from your user. Like any form, it should be planned to be as easy as possible for the user to complete and for you to process the information you receive.

You'll need to identify the entries you will have the user complete, such as name and address details and those that they can select from a list, for example, PC type. Where you will allow the user

HTML Hot tip

Neater looking forms

If your form looks a bit messy, and they can do, consider putting the form elements inside a table inside the <FORM>...</FORM> tags. Using a table may mean you can more neatly align the input areas of the form, as the absence of any ability to use tabs in HTML makes lining these elements neatly a strictly hit or miss affair. Make the table at least two columns wide and put the user prompts in the first column and the <INPUT> tags in the second.

to select from a list, compile the list and consider providing an Other category for users who don't fit any of your descriptions. You also need to decide whether for each option you will allow only one selection or a number of selections as this will determine what elements you use on your form. Where a user can enter their own answers, decide whether one line is sufficient (as in name, e-mail address) or whether you will allow more room (for example, comments, multiline address etc).

When you have the information, mock up your form on paper and make sure the information you are seeking flows through the form in a logical way. It is usual to group personal details such as name and address in one area and other information in a separate area. If your form is untidy and the flow erratic, you will only annoy your user.

The elements available to use on your form are all displayed on our sample form. From top to bottom we have two text boxes (for the name and e-mail address), a text area (comments), a drop-down list box (PC type), radio buttons (Do you have a Web page?) and check boxes (what effects you use).

We have used the input boxes to allow one line of entry for a name and another for an e-mail address, and a text area has been used to allow the user plenty of room to enter their comments — there's not much point asking a question like this and not showing them you are happy to receive a detailed answer. We have chosen a drop-down list box for the PC type as it allows us to limit the selection to a few distinct categories and we have made sure what we think will be the most selected option is the default selection.

The choice of radio (or option) buttons for whether a user has a Web page or not was decided by the possible answers. Where the user is to choose one answer only then a radio button is an obvious choice because selecting one automatically deselects the others. Finally, we provided check boxes for the effects a user may have used on their Web page as most people will use a number of these.

Once the form is designed, the HTML source can then be produced. The source for this form, including the 'Send Now' and 'Clear and Start again' buttons is in the 'HTML source box'. Notice that all the HTML source appears between a pair of <FORM>...</FORM> tags.

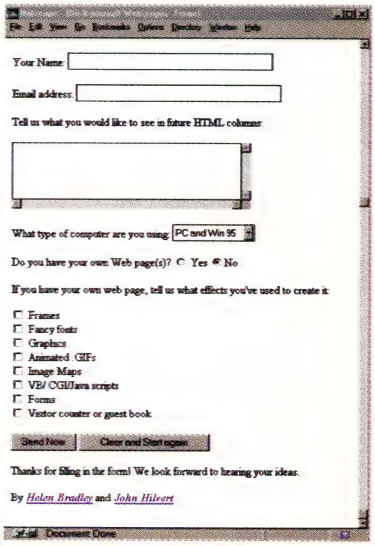

Your Name:
Email address:
Tell us what you would like to see in future HTML columns:
What type of computer are you using: PC and Win 95
Do you have your own Web page(s)? Yes No
If you have your own web page, tell us what effects you've used to create it:
Frames
Fancy fonts
Graphics
Animated GIFs
Image Maps
VB/ CGI/Java scripts
Forms
Visitor counter or guest book
Send Now
Clear and Start again
Thanks for filling in the form! We look forward to hearing your ideas.
By Helen Bradley and John Hilvert

Figure 1c: The bare bones of the form we have created to showcase the various form design options.

The tags

The <FORM>...</FORM> tags enclose the form definition. Included in the <FORM> tags are the keywords METHOD and ACTION. It is usual to use POST for the METHOD and in this case as we are e-mailing the form text we use mailto:DesignerEmailAddress as the ACTION. If you were using a CGI script for processing the form this would be included as the action instead of the mailto option.

There are a number of different uses for the <INPUT> tag, the first we'll consider is the text box which is created with <INPUT NAME="Name" TYPE="TEXT">

The TYPE keyword creates this object as a text box (there are other types) and the NAME keyword allows you to provide a variable name in which the user input will be stored and which you will see in the output. You will want this to be unique for each form element and to be descriptive of the actual information being sought by this text box. In our case we have used the words 'name' and 'e-mail' for our two text boxes.

The INPUT tag will also take these attributes:

SIZE=: Allows you to specify a number of characters for the text box.

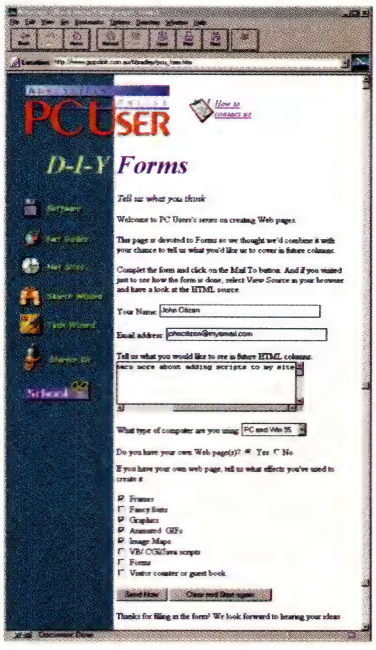
ALIGN=: Allows you to alter the alignment of text in the box.

VALUE=: Provides default text in the text box.

The <TEXTAREA>...</TEXTAREA> tag requires as a minimum that you include the NAME keyword. However, as a matter of practicality you will want to add the COL and ROWS keywords to specify the number of lines (ROWS) of data and how many characters (COLS) per row the text box will cover.

Our tag <TEXTAREA NAME="ideas" ROWS=4 COLS=40></TEXTAREA> pro-

Figure 2c: The form online and completed by selecting the various options with a mouse and typing in the text box and text area.


PCUSER
D-I-Y Forms
Tell us what you think
Your Name: John Citizen
Email address: johncitizen@myemail.com
What type of computer are you using: PC and Win 95
Do you have your own Web page(s)? Yes No
Send Now
Clear and Start again

Interesting form sites

1. Web Diner Forms Tutorial:
http://www.webdiner.com/annexe/forms/wdform1.htm
2. Creating Forms and Guest Books, by Lamar Brooks:
http://rio.atlantic.net/~bombadil/nuthin/forms.htm
3. Download CGI script for processing forms from Doug's WWW Mail Gateway: http://www-bprc.mps.ohio-state.edu/mailto/mailto_info.html
4. Or Matt's Script Archives at:
http://worldwidemart.com/scripts/formmail.shtml
5. Or Robert Fries' Mailto Formatter (no CGI needed):
http://homepage.interaccess.com/~rpfries/
6. Format and store e-mail form output using WebForms from Q&D software: http://www.q-d.com/

vides a four-row by 40 character text area on the screen. This, however, just describes the actual size of the text area on the screen, the user can scroll and type much more than this.

The <SELECT>...</SELECT> tag allows you to create a drop-down list. Like the other tags it requires that you provide a NAME keyword entry and then inside this tag pair you place the tags for the various options. Each option is provided by an <OPTION> tag which includes the information you want back from the user, what the user sees in the list and provision for an element to be the default selection (even if it is not positioned at the top of the list). So the tag:

<OPTION SELECTED>PC and Win 95

sets up the option 'PC and Win 95' as the wording the user will see in the drop-down list. Finally, the keyword SELECTED sets this option as the default selection.

If you add the SIZE keyword to your <SELECT> tag you can have more than one option line displayed, so SIZE = 4 would display our entire drop-down list. Including the keyword MULTIPLE will allow multiple selections; in this case it would be wise to have them all visible so the user can easily check the choices they've made.

The second use of the <INPUT> tag we'll consider is the radio buttons. You'll need one <INPUT> tag for each button and each must have the NAME keyword. However, note that each button in a group of buttons must have the same name. If you don't give all the buttons in the group the same name they won't work like proper radio buttons where only one can be selected and selecting one button automatically deselects the others. The TYPE keyword entry for a radio button is TYPE = radio. So the tag:

<INPUT NAME = "webpage" TYPE = "RADIO" VALUE = No CHECKED>No

gives us a radio button with 'No' as the text beside it, which is, by default selected. The VALUE = No keyword provides the information we will get back in the form data if this option button is selected when the form is sent.

Check boxes are another use of the <INPUT> tag and they have the TYPE keyword entry TYPE = check box. Check boxes allow multiple selections so it stands to reason that each will have a different name. The form data will contain a list of only those check boxes which are selected at the time the form is sent. So the tag:

<INPUT NAME = "maps" TYPE = "CHECKBOX" CHECKED> Image Maps

gives us a check box with the words Image Maps beside it although in the form data we'll see only maps=on if the check box is selected. The keyword CHECKED allows you to preselect any check boxes you like and you can use this any number of times.

Finally, the form has two buttons: one for sending the form and the other which allows the user to reset it if they make mistakes. These buttons are created using the <INPUT> tag this time using TYPE = Submit for the 'send' button and TYPE = Reset for the one to reset the form. In both cases the VALUE keyword allows you to place your choice of text on each of these buttons.

This tag creates our Send Now button:

<INPUT TYPE = "SUBMIT" VALUE = "Send Now">

and this creates the Clear and Start again one:

<INPUT TYPE = "RESET" VALUE = "Clear and Start again">

Organising the feedback

In Figure 2c you can see the form filled in and below is the text of the e-mail message which arrived after selecting the Send Now button:

Hot tip

Forms and Internet Explorer

While form actions with "mailto:..." do not work if you are using Microsoft Internet Explorer 3.0, they are supported by 3.01.

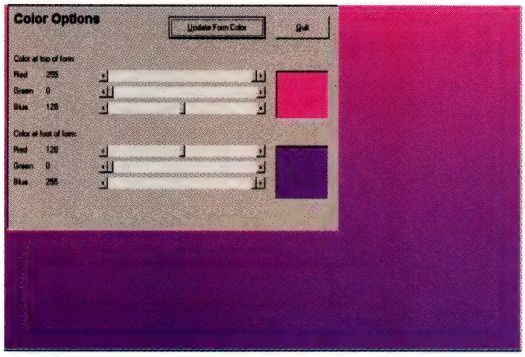


Figure 1c: This month's Visual Basic project creates a fading background and allows you to select your own combinations of start and stop colours.

Name=John+Citizen&email=johncitizen@myemail.com&ideas=I+would+like+to+learn+more+about+adding+scripts+to+my+site%0D%0A&type=PC+and+Win+95&webpage=Yes&frames=on&graphics=on&gifs=on&maps=on

To properly understand this, you'll need to replace all the ampersands (&) with a carriage return (new paragraph) all the %OD%OA with a comma and all plus (+) signs with a space. Other characters such as slashes etc, will result in other combinations of hexadecimal codes appearing in your text but you'll locate them easily enough as they'll have a percentage symbol (%) in front of them.

Test your form with a selection of the most obvious of these and you can make a table of each character and its hexadecimal code. Using the search and replace functions in your word processing package you can replace each code with its respective character. If and when it all takes too much effort, try one of the formatting software packages found on the Net.

VB programming

Colour fader

Helen Bradley shows you how to create a background for a form which fades from one colour to another.

The form we are going to create includes a selector so you can experiment with different colour combinations. Figure 1c shows the form with the colour selector bars and the fading effect.

On a new form, add these controls and set these properties:

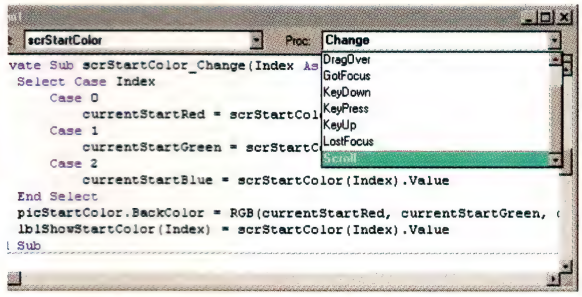


Figure 2c: Use this as a guide for placing your array controls inside the picture box.

Object	Property	Setting
Form	NameForm1	
	WindowState	2-maximised
	AutoRedraw	True
	Caption	Background Color Fading Options
PictureBox	Name	Picture1

The picture box should be sized to just under half the maximised form size so it can act as a container for the remaining controls.

Add these controls inside the picture box control:

Command Button	Name	cmdQuit
	Cancel	True
	Caption	&Quit
Command Button	Name	cmdUpdateFormColor
	Caption	&Update Form Color
PictureBox	Name	picStartColor
PictureBox	Name	picStopColor
HScrollBar	Name	scrStartColor
	Index	0
	Min	0
	Large-Change	10
	Max	255

VB hot tip

Using the fading colour code

When you find a colour combination that you like, you can use this on your forms by using the code from the Form_Paint event and placing the start and stop colour's red, green and blue values (which will be in the range 0-255) in the code in place of the variables. The rest of the code, apart from the colorChangeStep value in the Form_Load event and the Form_Resize code, can be omitted as it relates to the process of changing the colours not painting the form.

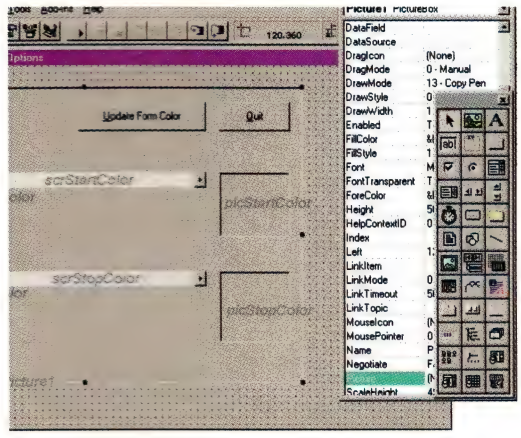


Figure 3c: Selecting the horizontal scrollbar's Scroll event.

VB colour fader code

```
Public currentStartRed, currentStartGreen, currentStartBlue
As Integer
Public currentStopRed, currentStopGreen, currentStopBlue
As Integer
Public colorChangeStep As Integer

Private Sub Form_Load()
   scrStartColor(0).Value = 228
Public currentStartRed, currentStartGreen, currentStartBlue
As Integer
Public currentStopRed, currentStopGreen, currentStopBlue
As Integer
Public colorChangeStep As Integer

Private Sub Form_Load()
   scrStartColor(0).Value = 228
   scrStopColor(2).Value = 128
   colorChangeStep = 5
End Sub

Private Sub Form_Resize()
   Form_Paint
End Sub

Private Sub Form_Paint()
   ScaleMode = vbPixels
   DrawStyle = 5
   DrawWidth = 1
   For I = 0 To ScaleHeight Step colorChangeStep
      Line (-1, I - 1)-(ScaleWidth, I + colorChangeStep),
RGB((I * (currentStopRed - currentStartRed) \ ScaleHeight) +
currentStartRed, (I * (currentStopGreen - currentStartGreen) \
ScaleHeight) + currentStartGreen, (I * (currentStopBlue -
currentStartBlue) \ ScaleHeight) + currentStartBlue), BF
   Next I
End Sub

Private Sub cmdUpdateFormColor_Click()
   Form_Paint
End Sub

Private Sub cmdQuit_Click()
   Unload Me
   End
End Sub

Private Sub scrStartColor_Change(Index As Integer)
   Select Case Index
      Case 0
         currentStartRed = scrStartColor(Index).Value
      Case 1
         currentStartGreen = scrStartColor(Index).Value
      Case 2
         currentStartBlue = scrStartColor(Index).Value
   End Select
   picStartColor.BackColor = RGB(currentStartRed,
currentStartGreen, currentStartBlue)
   lblShowStartColor(Index) = scrStartColor(Index).Value
End Sub

Private Sub scrStopColor_Change(Index As Integer)
   Select Case Index
      Case 0
         currentStopRed = scrStopColor(Index).Value
      Case 1
         currentStopGreen = scrStopColor(Index).Value
      Case 2
         currentStopBlue = scrStopColor(Index).Value
   End Select
   picStopColor.BackColor = RGB(currentStopRed,
currentStopGreen, currentStopBlue)
   lblShowStopColor(Index) = scrStopColor(Index).Value
End Sub
```

HScrollBar	Name	scrStopColor
	Index	0
	Min	0
	LargeChange	10
	Max	255
Label	Caption	Red
Label	Caption	Green
Label	Caption	Blue
Label	Caption	Red
Label	Caption	Green
Label	Caption	Blue
Label	Name	lblShowStartColor
	Caption	0
	Index	0
Label	Name	lblShowStopColor
	Caption	0
	Index	0
Label	Caption	Color Options
Label	Caption	Color at foot of form
Label	Caption	Color at top of form

Select the HScrollBar called scrStartColor and copy it using Edit, Copy and paste a copy inside the picture box on the form using Edit, Paste. To make sure the control is pasted inside the picture box, select the picture box (Picture1) before you Paste. Repeat this once more and then copy and paste the HScrollBar named scrStopColor twice. This gives you two arrays of scrollbars, each element in each array is the same as every other element except for its Index property. Array indexes begin at zero and each element in an array has a

PC User Offline

Electronic versions of all these tutorials are on this month's CD-ROM. See page 3 for details.

Australian PC User

Web references

Looking for more Visual Basic Information? Try these Web sites:

1. The Development Exchange:
http://www.windx.com/scripts/homepage.epl
2. VB Power Source Free Edition:
http://www.mcp.com/samsbeta/monthly-third/vbpsfree/index.htm
3. VB Online Magazine:
http://206.171.105.131:80/vb-mag/
4. VB Tips and Tricks:
http://www.apexsc.com/vb/davem/vbtt.html
5. Microsoft's Visual Basic Site:
http://www.microsoft.com/VBASIC
6. Carl and Gary's Visual Basic Homepage:
http://www.apexsc.com/vb/

different value. You should have scrStartColor(0), scrStartColor(1) scrStartColor(2) and scrStopColor(0), scrStopColor(1) and scrStopColor(2).

Repeat the same process for the labels lblShowStartColor and lblShowStopColor and place them on the form as shown in Figure 1c.

Type the code from the code box into this form. Then select the scrStartColor's Scroll event using the Proc options (see Figure 3), and copy and paste the code from the scrStartColor_Change event into this event. Repeat this process and copy the code from the scrStopColor_Change event into the scrStopColor_Scroll event.

Save your project calling it formfade.vbp and test it by selecting Run, Start.

You'll notice that the form starts with a fade from red to blue. Change the colours by using the horizontal slider controls to create a colour using different portions of red, green and blue. Select your preferred start and stop colours and then select the Update Form Color button to see how they look together.

How it works

In this program we use sets of horizontal sliders to manipulate the individual red, green and blue values of a colour independently of each other. The two separate sets of controls allow you to create two different colours — a start colour and a stop colour — and to use these as a fading background for a VB form.

The General Declarations section of the form contains form level variables for the values of the start and stop colours. There are six variables in all, as each of the start and stop colours has a value for each of red, green and blue.

VB hot tip

Colours

In Visual Basic you can represent colours on the PC screen by numbers. A colour is a mix of red, green and blue values in the range of 0-255, which gives a possible 256 by 256 by 256 (16.7 million) different screen colours. Most newer PCs will display this range of colours, but even if your monitor isn't capable of displaying all these colours, you will see a dithered pattern of dots on the screen. Using a combination of its red, green and blue values, any colour can be specified.

The form load event sets initial colours for the start and stop colours; this isn't required but gives the user an example of how the fading looks. You can experiment with different settings for the colorChangeStep value — increasing it speeds up the screen redraw and gives a coarser looking fade, and decreasing it slows down the screen redraw but gives a more even fade.

The Form_Paint event controls the fading background. Variables here set up the drawing mode and the For loop creates a series of filled boxes on the screen, each one of which is one higher than the height of the colorChangeStep. The colour of each box is made up of a combination of red, green and blue values which are calculated to give an even spread of the values across the fade area from the start colour values to the stop colour values. The "\" symbol is used instead of the "/" symbol to give a division with an integer result.

Changing the position of the scroll box on the scrollbars triggers either the scroll or change event depending on how the change is effected. The change event is triggered by a change in the scrollbar but not by the user actually dragging the scroll box — this instead triggers the scroll event. Using the scroll event allows us to produce a dynamically linked display so that the label and the picture box are updated as you drag the scroll box. Without the duplicate code in the Scroll events, the display would be less attractive. To understand more about the scroll event, try removing the code from them and run the program and drag the scrollbar.

Next month

In next month's column we'll show you how to add icons and a toolbar to a Visual Basic Project. ❑

Getting personal

Forget those hours spent searching for the latest headlines or industry gossip, says David Flynn. Customised Web pages tailor their content to suit your individual tastes.

With thousands of new Web pages appearing on the Internet every day, and the millions already in existence being updated just as often, the Net's scope for delivery of information is unparalleled. Getting the right information has now become the challenge.

Just as beauty is in the eye of the beholder, the 'right' information lies in the eye of the browser. However, does this mean we must visit a different site for our daily info-dose? Not if it's a customised or personalised Web page. Such pages allow visitors to roll their own content, determining what material they are shown and sometimes how it is presented.

On your first visit to most customised pages you can register (usually a free process), then work your way through a selection of drop-down lists and check boxes to choose the topics of most interest to you (this also has the effect of filtering out information that you deem useless).

You are also allocated a username and password. From that point on you can enter this username and password to see a personalised page with the topics you specified.

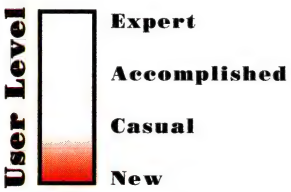
What information can be displayed on a customised homepage? Late-breaking national and international news bulletins, weather, sports scores, stock quotes, star signs, the latest Hollywood gossip or an inspirational message for the day.

Customised pages are generally free services. While none of those sites we've listed below charge for their personal pages, several major sites do require payment. Time Warner's Pathfinder is one such service, although it does offer a free two-month trial subscription.

The motives of free sites aren't totally altruistic. Offering made-to-measure content is a valuable way to get users to visit and re-visit your site, which is parlayed into hits and then into advertising dollars on the page.

Behind the scenes, several mechanisms can be used to create each personalised page. By far the most common method is issuing 'cookies' (which we detailed in our April '97 issue, page 100). These tiny files record your preferences and relay this data to the Web site each time you visit, building the page according to these preferences.

Here are some of the Web's most popular personalised pages. Note that because they are all US-based, nearly all of the content is similarly Yank-centric, although the more flexible pages (such as CRAYON) let you weed out the US news feeds.



What you need:

Windows 3.1 or later

14,400bps or faster modem

SLIP/PPP Internet connection

CRAYON

URL: *http://crayon.net*
Rating: ★★★★★

The most thorough of customisable pages, CRAYON (Create Your Own Newspaper) is a free service that lets you choose from a very broad range of topics including general news, politics, religion and arts.

The lengthy sign-up procedure provides an excellent list of newspaper feeds, comics and other items you might wish to include on your special page and you can also add your own favourite links — a facility offered by no other customised page.

The final product is an HTML page that you can edit. The page doesn't look overly brilliant, but if you care to roll your sleeves up and delve into the HTML code, you can make it pretty.

Eye on the Web

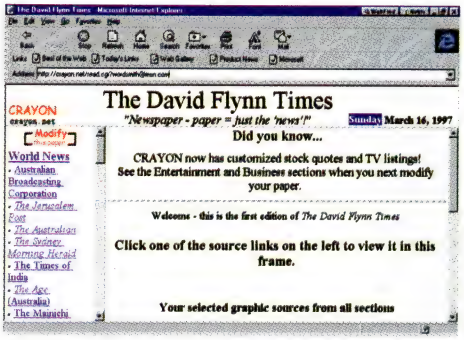
URL: *http://www.eyeontheweb.com*
Rating: ★★★

Eye on the Web saves your preferences either by password or cookies depending on your level of paranoia about where your personal information is stored. The page itself isn't going to win any awards for design; the content is basically an extensive list of links, links and more links. There are a few publications you can have delivered to your page but none of the content is filtered, so you are only taken to the link's front door.

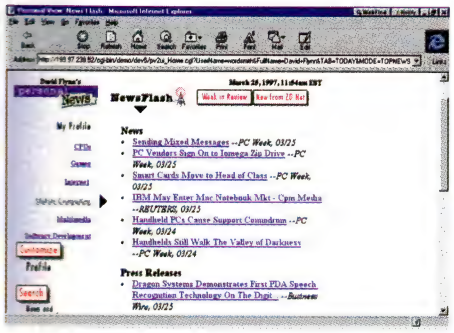
Beyond that you must follow more links or seek out any relevant information by yourself. The personal page is laden with US information and based

Looking for something?

Search engines have also been hit by the customisation craze. Webcrawler (http://webcrawler.com/) and HotBot (http://www.hotbot.com), for example, store your search preferences (such as the number of 'hits' displayed on each page, the display of page titles or summaries). Upon your return to the page the same settings will be retained.


The David Flynn Times
"Newspaper - paper = just the 'news'!"
Sunday March 16, 1997
Did you know...
CRAYON now has customized stock quotes and TV listings!
See the Entertainment and Business sections when you next modify your paper.
Welcome - this is the first edition of The David Flynn Times
Click one of the source links on the left to view it in this frame.
Your selected graphic sources from all sections
World News
Australian Broadcasting Corporation
The Jerusalem Post
The Australian
The Sydney Morning Herald
The Times of India
The Age (Australia)
The Mainichi

It's not the most attractive of pages but CRAYON (Create Your Own Newspaper) covers a very broad range of topics to which you can add your own links.



The granddaddy of IT news sites, ZDNet also offers a rich resource of news and press material in its Personal News page.

on a very crude template that barely deserves the title of being 'customised'.

Firefly

URL: *http://www.firefly.com*
Rating: ★★★ ½

Firefly is more an online community than anything else. Its content focusses on entertainment and leisure-time information by members in the community with similar interests.

Upon the free registration you are issued with a Firefly 'Passport' which is recognised by Firefly-enhanced sites (known as 'venues') which then personalise their content according to the preferences listed in your passport. These sites act as forums where members with common interests congregate.

Infoseek Personal

URL: *http://yournews.infoseek.com*
Rating: ★★★ ½

Infoseek Personal Edition is a perfect example of straight filtered news. You specify what subjects and/or keywords you would like to read about in several categories and any news in the Infoseek's vast database containing those topics or words is presented on your personal page for your perusal.

This very 'hit and miss' approach often leads to a jumble of headlines and advertisements which are genuinely difficult to follow. However, it does have one excellent feature — the ability to follow Usenet threads. If you are particularly keen on a topic, you can follow what is being said about it in the newsgroups.

Infoseek Personal also gives you the option to receive news headlines by e-mail.

My Yahoo!

URL: *http://edit.my.yahoo.com*
Rating: ★★★★

Affiliated with one of the world's most popular Web directories and search engines, My Yahoo! is another highly customisable and classy page that is easily navigable and logically laid out. The news is delivered courtesy of Reuters and you can even get a Real Audio briefing of the day's top stories. Other interests are also catered for, so if happenings in the arts world tickle your fancy, there are plenty of reviews and views on dozens of related topics.

Netscape PowerStart

URL: *http://www.netscape.com*
Rating: ★★★★ ½

Netscape PowerStart gives users almost total control over the appearance of 'their' page (be sure to add your own personal links — the collection already provided is fairly small). There's even a nifty Notepad feature on your page for jotting notes and URLs while surfing!

The initial setup routine is quite long and involves a veritable jar full of cookies. Refusing even one morsel will result in such severe errors that you will have to go through the entire routine again. When you do get the page setup you can save the file as a bookmark or make it your browser's starting page.

ZDNet

URL: *http://community.zdnet.com*
Rating: ★★★★ ½

With content culled from a treasure trove of publications covering Windows, IT news, games and the Internet, plus all the news sources which feed into these magazines, ZDNet is one of the best customised sites for the PC-savvy user. You can choose from over a dozen computer-related categories, each of which includes both news stories and relevant press releases.

Microsoft Internet Start

URL: *http://home.microsoft.com*
Rating: ★★★ ½

This great-looking site is the default Start Page for Internet Explorer 3.0 but it's also well worth a visit by non-IE users. The personalisation process is a simple three-step dance; a good selection of categories draw stories from numerous sources, including the likes of *Wired* under the Technology heading.

OpenSesame

URL: *http://www.opensesame.com*
Rating: ★★★★

Nevermind the news — this gorgeous page touts itself as an entertainment genie for those who just want the fun stuff like books, music, movies and TV. This alone makes it worth more than one visit. Written in a humorous manner, the end result is particularly eye-catching.

When push comes to shove

The latest Internet buzzword is 'push' technology, which lets tailored online content be delivered right onto your desktop or your e-mail address instead of waiting for you to dial in and get it.

PointCast is the best-known push service, but the imminent release of Microsoft Internet Explorer 4.0 and Netscape Communicator/Navigator 4.0 both include push technology: Netscape serving interactive Web pages to the Inbox, and Microsoft using 'channels' which appear on your Windows 95 desktop.

The new stylish MSN pushes the Web envelope — and your modem and hardware — beyond the usual online limits.

Net sites

Site seeing

Rose Vines samples MSN's new look, discovers the dangers of the digital world, reads up on Eurythmics' rise to fame, and much more.

Online services

The new MSN

After a year-and-a-half of running a purely proprietary online service, Microsoft has completed the switch to providing a totally Internet-based service, with the launch of the new look Microsoft Network, also known as MSN2 or OnMSN.

While many long-time MSN users are mourning the loss of the original service, the new MSN pushes the bounds of Web technology in terms of content, and Microsoft is busily working on upgrades to its chat programs and other resources.

The new MSN is designed to feel more like a TV network than a Web site. Content is divided into channels, each having a different target audience. On each of the channels you'll find a number of 'shows'. Much of the content is quite stunning: everyone will have their favourite shows, it just requires time, at first, to get an understanding of what's on offer. The initial screen shows a preview channel, with constantly changing flashes about what's happening, the shows you can tune into, and ads from sponsors.

The new look is one that you will either love or hate: I love it. It's stylish and uses very suave auto-acting buttons and menus.

You can view some worthwhile content even if you're not an MSN member. Simply point your browser to www.msn.com. But all the really gee-whiz stuff is reserved for MSN members (who connect to onstage.msn.com by default), and while you can use Internet Explorer or another browser to view much of it, the full effect is gained through using the MSN ProgramViewer, a customised version of IE.

This is all high-bandwidth stuff: music, animation, loads of ActiveX components, streaming video — you name it. And, as I write this, Microsoft is about to commence beta testing the next generation of content which will push the Web envelope even further.

If you're an MSN member not interested in the multimedia content but want the MSN 'community' of chats and newsgroups, you can use Internet Explorer, Internet News and MS Chat — available as free downloads from www.microsoft.com — instead of loading the resource hogging MSN Viewer.

URL: *www.msn.com for non-members; onstage.msn.com for members*
Bandwidth: *High*
Best viewing: *MSN Program Viewer; soundcard; 16Mb RAM*
Rating: ★★★★★

What you need:

Windows 3.1 or later
14,400bps or faster modem
SLIP/PPP Internet connection

Hacking

DigiCrime, Inc.

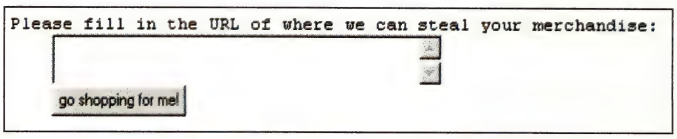
It's hard to know how to categorise this site: humour? commentary? educational? Really, it's all three. Essentially it's a satirical warning sign to the dangers of the digital world. What it isn't, is what it seems: a hacker's treasure-trove.

DigiCrime, Inc. gathers together news stories and technical information about hacking techniques, security holes, digital fraud and other computer crime, and presents it in the form of a hacking company (a "full service criminal computer hacking organisation").

Some of DigiCrime's 'services' include:

- Computer file theft and replacement services.
- Internet eavesdropping service.
- Web site redesign services (other people's sites, not your own!).
- Stock Price Manipulation service.
- Electronic money laundering service.
- Wealth distribution service.
- Internet Shoplifting Network.
- Pornographic blackmail service.

The flaky nature of your own browsing security on the Web is illustrated with some graphic examples of nasty tricks that can be played on you via Java, JavaScript or ActiveX. Try clicking one of the links labelled "keep away from this link" or "whatever you do, don't touch this". The worst that will happen is you're likely to have to reboot (so don't try it with any unsaved work), and you'll get a graphic demonstration of just what is possible with widely available tools.



Don't take the DigiCrime, Inc. site too seriously; but don't take it too lightly either!

National Geographic combines cute design, things to play with and useful information in its site dedicated to Siberian tigers.

URL: *www.digicrime.com*
Bandwidth: *Low*
Best viewing: *Java-capable browser*
Rating: ★★★★

For young people

Cyber Tiger

The National Geographic's Kids' pages are usually worth a visit, with a feature each month.

Cyber Tiger is typically enjoyable. You're a zookeeper and your zoo is about to receive its first male Siberian tiger as part of a project to save the species from extinction.

You get to name the tiger, build a habitat for him, and give him food and toys. Once you've built your tiger enclosure and released the tiger into it, there are links to other tiger sites to explore, plus background information on the Siberian tiger.

URL: *www.nationalgeographic.com/kids/tigers/maina.html*
Bandwidth: *Medium*
Best viewing: *Graphics-capable browser*
Rating: ★★★

The Arts

Journeys through wild light

One of those sites that just make you go "Wow!". After a hard day's surfing, come rest your eyes at Kurt Ross's site.

Here's the way to do a soft-sell commercial site. Kurt Ross is a professional photographer, and one of the purposes of this site is to sell his work. But that's only one purpose. The other is to provide a simply beautiful site. Given my temptation to reach for my Visa card, I'd have to say it succeeds on both fronts.

What I like about this site is the wealth of images on display, as well as the quality. It uses frames well for navigation.

URL: *www.buffalo.net/kurtross*
Bandwidth: *Medium*
Best viewing: *Frames-capable browser*
Rating: ★★★★★

Music

The Annie Lennox Homepage

"Which member (of the Eurythmics), Dave Stewart or Annie Lennox, is the one with all the talent? It took Eurythmics 10 years and eight albums to, inadvertently perhaps, pose that question. It took 50 minutes for Annie Lennox to answer it, not in an interview, but with the first solo album of her 15-year career."

That quote from the Annie Lennox Homepage sets the tone of this unabashedly enthusiastic fan site. It's simply and effectively done, with loads of background reviews and information about Lennox's solo albums as well as the Eurythmics output.

URL: *www.well.com/user/sunspot/annielennox.htm*
Bandwidth: *Medium*
Best viewing: *Any browser*
Rating: ★★★

Bulletin Boards

SA Country Club

Phone: *(08) 8284 7991*
Speeds: *1200 to 28,800bps*

Astute Adelaide BBSers who want to savour the wider online world are hanging about on SA Country Club. "Full Internet access costs only $40 a year on top of the annual BBS fee (from $10 for daily access of one hour and 2Mb)," says sysop Martin Crockett. "This means for $70 a user can have three hours a day on the BBS and/or the Net — with reduced rates for students."

Sporting new Maximus v3.01 software, the BBS retains its original Opus menu structure "to avoid giving the old users too big a shock," says Crockett. However, those holdover menus pop-up a few puzzles for new users, such as the choices Interline Chat and New Super Chat that now both lead to the same Chat menu. However you arrive, the eight dial-up lines provide plenty of potential chattees.

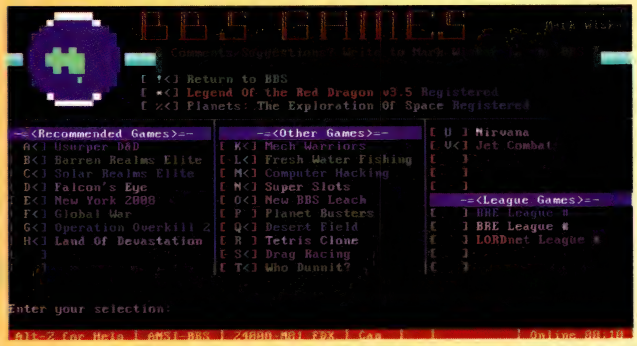
File freaks can have a field day, with nearly 22Gb on hard disk and 4Gb on CD-ROMs. About half the 200-odd file areas are devoted to PCs and the remainder to a range of other machine types — including Amiga, Atari, C64/128 and Macintosh. Also online are almost 700 FidoNet message conferences and, for paying users over 18, adult file and message areas.

Australian BBS Registry

Phone: *(047) 356 789*
Speeds: *2400 to 28,800bps*

The National Coordinator for the Australian BBS Registry has resigned, casting a shadow over the future of the Registry, its namesake BBS, FTP site (ftp.bbsregistry. com.au/bbslist) and Web page (http://www.bbsregistry.com.au/bbslist.htm). Citing increasing demands from his family, work and fledgling ISP enterprise as the reasons for his resignation, Rodney Creer recently announced that release 9703 of the Registry would be his last. "I have produced the monthly BBS listings for over 10 years, and have only missed one release — when I was on Kangaroo 89 exercise in Derby WA for eight weeks," says Creer.

Tell us about your favourite BBS — e-mail Link Harris on FidoNet 3:690/660 or to link@wn.com.au



SA Country Club offers an awesome array of online games, with over 20 choices for local and league challenges.

Win a FIC DESIGNote 4510

SUBSCRIBING TO PC USER has always had special advantages. You receive guaranteed monthly issues featuring: Australia's largest tutorial section to help you become more productive with your PC and software; reviews and advice to help you *buy* a PC, peripheral or software application; regular features for schools, small business people, teleworkers, games and Internet enthusiasts, and loads more. And, you won't miss any of the monthly cover CD-ROMs which contain the latest games demos, shareware and exclusive multimedia tutorials and utilities.

If you subscribe today, you will also be entered into the draw to win a FIC DESIGNote 4510 notebook valued at $3999. In addition, you will also receive the following exciting benefits:

Four special reasons to subscribe to Australian PC User

1 DISCOUNT SAVINGS

When you subscribe to *Australian PC User* you make considerable savings on the regular price — savings of up to $41.80 over a two-year subscription.

2 RATE PROTECTION

By subscribing to *Australian PC User* today you guard yourself against any increase in the newsstand or subscription price. Plus you receive delivery to your home or office free of charge.

UNDER CONSTRUCTION

3 THIRTEEN CD-ROMs A YEAR!

As well as the regular cover discs, subscribers will receive a bonus CD-ROM each year! It's the CD many of our readers have been asking for, containing the full text of the previous year's (1996) issues complete with a search engine. Only current subscribers will be sent this CD-ROM. It will not be available on the newsstand.

4 EXCLUSIVE AREA ON WEB SITE

Subscribers will be provided with exclusive access to a technical support area on the *PC User* Web site.

(http://www.pcuser.com.au)

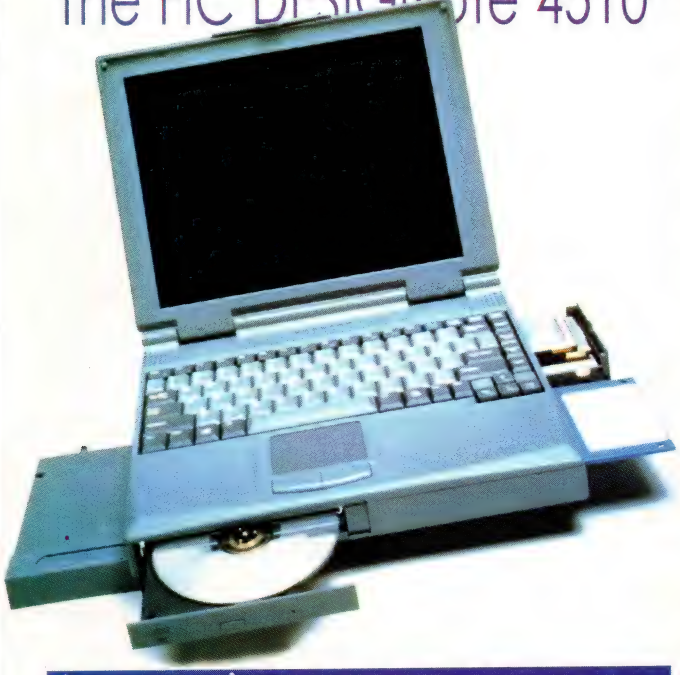
To receive next month's issue of *PC User*, your subscription application needs to reach us before May 4, 1997.

CONDITIONS OF ENTRY

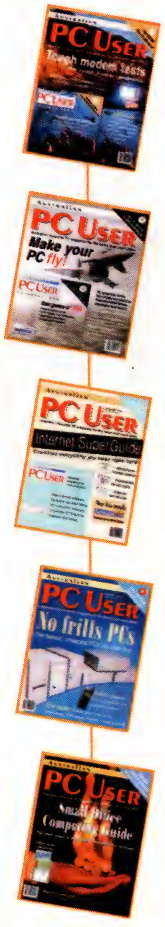
1. Instructions on "How to Enter" form part of these Conditions of Entry. The competition is open to residents of Australia only whose new subscription or renewed subscription for one year or more to *Australian PC User* is received between 19 March and last mail 25 June 1997 and is signed against a nominated valid credit card or, if paid by cheque, cleared for payment. Current subscribers, whose subscription falls due within the dates of the promotion, but who have renewed early, will automatically receive an entry in the draw.
2. The winning entry will be the first drawn at the promoter's premises, 54 Park Street Sydney on 10/07/97 at 11am by a representative of *Australian PC User*. Employees of ACP Publishing Pty Limited, ACN 053 273 546, First International Computer (Australia) Pty Ltd ACN 056 909 927 their families and advertising agencies, are not eligible to enter. All entries become the property of ACP Publishing Pty Limited, and may be used in future marketing promotions.
3. The judge's decision in relation to any aspect of the competition will be final and binding on every person who enters. No correspondence will be entered into.
4. The prize, valued on March 6, 1997 at approximately $3999 consists of a FIC DESIGNote 4510 12.1IN colour screen notebook with an Intel 133MHz Pentium Processor, 16Mb of EDO RAM and an optional New Generation 10-speed CD-ROM drive, plus a three-year nationwide secured insurance warranty. The prize is not transferable or redeemable for cash. Any change in the value of the prize occurring between publishing date and the date the prize is claimed is not the responsibility of the promoter.
5. The prizewinner(s) will be notified by security post and their names will be published in the September 1997 issue of *Australian PC User*.
6. Permits applied for.

notebook when you subscribe!

The FIC DESIGNote 4510



Subscribe and win!



Subscribe or renew your subscription to *Australian PC User* today and be entered in the draw to win a fabulous FIC DESIGNote 4510 notebook, valued at $3999. The FIC DESIGNote 4510 provides mix and match flexibility, delivers dynamic multimedia performance and achieves leading edge power and performance. The FIC DESIGNote 4510 harnesses the awesome power of the Pentium 130 TCP Package processor to provide a dynamic multimedia power house for today's mobile professional.

AUSTRALIAN
PC USER

Yes! I want to subscribe and be entered into the draw to win the FIC DESIGNote 4510

YES, please charge my subscription to ***Australian PC User*** immediately.

Please tick one box only:
- ☐ 24 issues at $119 (Save $41.80)
- ☐ 12 issues at $65 (Save $15.40)

Payment details: (tick one only)
- ☐ I enclose my cheque/money order for $_____made payable to ACP Direct. Or,

Please charge $_____ to the credit card nominated.
- ☐ Bankcard ☐ Mastercard ☐ Visa ☐ Diners Club
- ☐ American Express *Offer applies to Australian residents only.*

Please print clearly:

Signature _____ Expiry date ___ / ___

Mr/Mrs/Miss/Ms _____ Initials _____

Surname _____

Street Number/Name _____ City/town/suburb _____

Postcode _____ Daytime Phone Number ( ) _____

For immediate attention, please use our Fast Phone Service. In Sydney ring (02) 9260 0061. Elsewhere, 1800 252 515 – free call.

(If ordering by phone, the operator will record your answers).

Mail to: Reply Paid 764, Australian PC User, GPO Box 5252, Sydney NSW 1028. (No postage stamp required if posted in Australia)

OR, fax your order on (02) 9267 4363.

Published by ACP Computer Publications, a division of ACP Publishing Pty Limited ACN 053 273 546

1. Which of the following job titles most closely matches your position?
- ☐ 1. Managing Director, General Manager
- ☐ 2. Data Comms/Network Manager
- ☐ 3. LAN Manager
- ☐ 4. Microcomputer Manager
- ☐ 5. MIS Manager
- ☐ 6. EDP/DP Manager
- ☐ 7. Project Manager/Group Leader
- ☐ 8. Engineer/Architect
- ☐ 9. Accountant/Finance Officer
- ☐ 10. Systems/Programme Analyst
- ☐ 11. Consultant/Advisor
- ☐ 12. Other Computer Department Employee
- ☐ 13. Educator
- ☐ 14. Sales Representative
- ☐ 15. Office Administrator
- ☐ 16. Student
- ☐ 17. Other Professional
- ☐ 18. Other (please specify)

_____

2. What is your organisation's primary business activity?
- ☐ 1. Government, Utilities
- ☐ 2. Agriculture, Mining, Oil
- ☐ 3. Transportation
- ☐ 4. Construction
- ☐ 5. Computer Manufacturer/Distributor
- ☐ 6. Communications
- ☐ 7. Computer Retailer/Reseller/Consultant
- ☐ 8. Finance, Banking, Insurance
- ☐ 9. Research & Development
- ☐ 10. Engineering, Architecture
- ☐ 11. Manufacturing (non-computer)
- ☐ 12. Retail (non-computer)
- ☐ 13. Publishing, Media
- ☐ 14. Health
- ☐ 15. Legal
- ☐ 16. Armed Forces
- ☐ 17. Other (please specify)

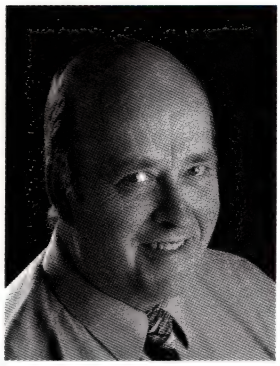
_____

3. How much IT equipment do you anticipate being involved with the purchase of during the next 12 months at work? (Please include all hardware, software, peripherals, connectivity equipment and consumables).
- ☐ 1. None
- ☐ 2. $1 - $999
- ☐ 3. $1000 - $4999
- ☐ 4. $5000 - $9999
- ☐ 5. $10,000 - $49,999
- ☐ 6. $50,000 - $99,999
- ☐ 7. $100,000 - $249,999
- ☐ 8. $250,000 - $499,999
- ☐ 9. $500,000 - $999,999
- ☐ 10. $1,000,000+

4. How many microcomputers are you directly responsible for at work?
- ☐ 1. 1 - 9
- ☐ 2. 10 - 19
- ☐ 3. 20 - 49
- ☐ 4. 50 - 99
- ☐ 5. 100 - 499
- ☐ 6. 500 - 999
- ☐ 7. 1000 - 1999
- ☐ 8. 2000 - 4999
- ☐ 9. 5000+

97PUMY

Question time!



Technical editor, Jan Wikström, answers readers' questions.

Now that's a bug

Q: My problem is that I have a CD (or the program on it) that does not operate correctly on my system, which still runs under Windows for Workgroups 3.11. It's a Pentium 90 with a built-in Mach 64 graphics accelerator and 16Mb of RAM, running PC-DOS 6.30.

The program is Winprobe 4.0 (a Quarterdeck diagnostic product) that was given to me by Quarterdeck following a complaint about another of their products some time ago. Winprobe 4.0 comes on a CD titled Winprobe 95 and is the Win 3.11 version of their product. At installation, the appropriate version is automatically loaded, so this is not the problem. All features of Winprobe 4.0 appear to function correctly, except the Windows Tune-up feature. On selecting the Tune-up feature, a Tune-up screen is displayed, but that's it. No operation has any effect.

Initially, I thought the problem was some conflict with my system configuration, but as I rarely have problems with software, I decided to take it further and complained to Quarterdeck. This proved to be a waste of time, as they were not particularly interested in helping. I was referred to the organisation that handles their customer support, but they were also unable to help, although they were prepared to listen and try.

In desperation, I deleted the product from my hard drive and took it to a friend, whose system also runs WFW 3.11. The result was the same — Windows Tune Up could not be activated. At this point, I became even more determined to get to the bottom of the matter, so I took the CD to another friend, whose system also still runs WFW 3.11. Again, the same result. One could be excused for thinking that this was proof enough that either the disk was faulty or a file on the CD was corrupt, but Quarterdeck did not believe that this was so and maybe they were right. All that I know is that the product does not work on three separate systems.

Quarterdeck, after many phone calls and letters remained unanswered, eventually agreed to test the CD if I sent it to them, which I immediately did. After several months had passed with not contact, phone calls and letter again left unanswered, I eventually wrote a letter of complaint to the general manager of Quarterdeck in the US. Within a week, I received a reply from Quarterdeck in Sydney apologising for the delay but stating that they had now checked out the product on two systems in Sydney without any problem. They also advised that they had checked all files against a master file from the US, which showed no errors.

At least I now had an answer and probably should let the matter rest; however, it is my opinion that when checking the product, Quarterdeck simply checked the Windows 95 version which may well work but is of no use to me.

I don't know what it is like in the east, but over here, I simply cannot find a computer store that has any PCs loaded with Windows 3.11, so it's virtually impossible for me to do anything else, hence my approach now to you. It is my opinion that Quarterdeck will simply not consider that I have a genuine complaint or problem unless I can prove to them that someone who has some standing and influence in the industry, such as yourself and *PC User*, supports me to the extent only that the product does not work under WFW 3.11 (or the CD that I have is faulty).

I would very much appreciate it if you would agree to test the CD for me on a machine operating under WFW 3.11 or if this is not possible, advise me of who else might be able to help. I realise that there is a chance that the disc is not faulty and that it simply may not be compatible with the three systems that it has been tried on, and if this is so, then at least I can stop looking for solutions and resolve the matter by giving the CD to someone who can use it, but I really do doubt that this is the case.

Robert Fuller
Duncraig, WA

A: *I have good news and bad news, Robert. The good news is that there's nothing wrong with your CD; the bad news is that the program is seriously flawed. I have tested another copy of the same product on a Windows for Workgroups 3.11 system, and the Tune-up function simply doesn't work. This is due to a programming error.*

I'm just guessing here, but I suspect the harassed and time-pressed production programmers preparing 4.0 just grabbed the Tune-up module from the earlier version and bunged it in, and forgot to hook up the controls (I have a copy of version 3.0, which looks exactly the same but works fine on the same system). It's appalling quality control, but

Having a computer-related problem?

PC User's technical editor, Jan Wikström, will try to answer your queries in print.

Post details of your problem to Jan Wikström, PC User, GPO Box 37, Sydney 2001; fax to (02) 9267 4519; or e-mail to janw@acp.com.au

Include your name a[illegible] and as much detail of you[illegible] as possible to assist in the solution. Please note that we can't provide personal technical support, and we can't answer all queries. For quicker help, try the supplier or retailer of the malfunctioning product first.

I'm not surprised — Windows 3.11 is widely seen as a back number, even though 30 to 40 percent of private users and the majority of corporate users are still using it. As you surmise, the Windows 95 version works well. What can I say, except "boo, hiss!"?

Groupies?

Q: What is the correct method of installing 16-bit programs under Windows 95 (in my case MS Publisher)? After following the normal setup routine, a Windows 3.x program group appears on the desktop. This I can clear by closing the group window. I then create a shortcut to the publisher.exe file and everything appears to work okay. I assume this would apply to any 16-bit application for Windows 3.x. Does this program group creation cause any problems for Windows 95? Is there any way to avoid this situation, other than purchasing a 32-bit version of the application, assuming the application has a 32-bit version? I know Publisher 97 is available, but I do have a few other applications that have not yet been updated to 32 bits and may not be.

Barrie Martin-Henry
Bagdad, Tasmania

A: *What appears on the desktop when you install a 16-bit program looks like a Windows 3.x group (at least if you have the Large Icons view selected) but isn't. It's actually the Start menu entry viewed as a folder. The next time you get one, select View, Options, View and check 'Display the full MS-DOS path in the titlebar'. Now drag the "group" wide enough to read the full path in the titlebar; you'll find it reads C:\WINDOWS\START MENU\PROGRAMS\[PROGRAM NAME] or something very similar. No need to create a shortcut by hand, unless you want one on your desktop as well as in the Start menu.*

Dear (?) old DOS

Q: I am enclosing a disk file report from MSD, hoping that you may be able to solve my computer problem. I have read all your columns hoping that someone has had my same problem, but to no avail. My problem is I'm unable to view video in my E: drive (my CD reader).

My computer works like a charm in Windows 95, and when I "restart in MS-DOS mode" I am able to access the E: drive okay, but when I try to start a DOS-based program, such as Destruction Derby from the March CD-ROM, I get a message saying "CD Drive 1 MSCDEX not detected". I know that Windows 95 unloads MSCDEX on loading, but I would have thought that when I went back to MS-DOS mode it would be available.

I took your advice in one of your columns and loaded DOS 6.2. I found that when I went back to the MS-DOS mode, I could not even read the E: drive, so I put CD-ROM drivers etc, into Windows 95's config.sys and autoexec.bat, and now I am able to access the drive. However, my video is still no joy as two of my DOS-based CDs won't run — they just display a distorted screen.

I had a few problems with my first video card, and my computer supplier fitted a new eight-speed CD reader, downloaded drivers off the Net for the Trident video card and said that it should fix the problem — which it did with Windows 95, but not DOS.

I have even reloaded CD drivers etc, back into the DOS config.sys and autoexec.bat files and rebooted, but on reboot the first message on the screen is "Starting Windows 95". When I push F4, it goes to original DOS okay, but when I insert a CD into the E: drive, it produces the same "MSCdex not detected" message as before.

Roy Wilson
Ballina, NSW

A: *"MSCDEX not detected" is because Windows Install has rem'd that line out of config.sys but the 16-bit CD driver is still in autoexec.bat. The problem lies in the confusing way Windows 95 deals with the DOS system files. There are two sets, and they're juggled according to starting mode. If you have a look in the root directory while running under Windows 95, you'll see autoexec.bat, autoexec.dos, config.sys and config.dos. The *.DOS files contain the information the system needs to boot in the "previous operating system" mode and when you boot in that mode, they are renamed and used.*

This means that if you want the CD reader to work in "previous operating system" mode, you

How to get the details

A good way to add enough detail is to enclose an MSD or Win 95 report on paper or disk, or as an e-mail attachment.

- MSD is a DOS utility, available with MS-DOS and Windows 3.x. Boot in DOS mode or shut down Windows, then type MSD <Enter>. When the program is up, select File, Print Report. This report includes all necessary system files.
- Windows 95 has a built-in reporting function. Select Control Panel, System, Device Manager, then click the Print button. You should also enclose config.sys and autoexec.bat.

$50 for your tips!

Discovered a great tip? Why not share it with other readers and earn some money for the trouble? We're offering readers $50 per tip that we publish. Please keep the tip to less than 250 words (the shorter the better), and screenshots are most welcome in bitmap format (.BMP). Just e-mail the tip to janw@acp.com.au or post it to Jan Wikström, PC User, GPO Box 37, Sydney 2001 (please include a printout, an electronic version in ASCII format on a 3.5in floppy disk, and a stamped self-addressed envelope if you want the disk back). Payment will be made within a month of publication.

must have its command lines in autoexec.dos and config.dos. One way to make sure of this is to boot with F4, then use the floppies that came with the CD reader to install its DOS drivers; they go automatically into the right system files.

The "normal" autoexec.bat and config.sys, on the other hand, should have no command lines for the CD reader. For normal Windows 95 use, they should in fact be empty except for SET= lines that the soundcard may need. If you want to play DOS games in a Windows 95 box or full screen under Windows 95's DOS mode (not the same as rebooting "previous system"), you may need to apply the normal memory manager lines to get enough conventional memory; see box "Roy's system".

As for the Trident display adaptor, it's the same situation. You need to reboot with F4, then use the floppies that came with the card to install and test its DOS drivers. After all that is done, verify that your cleanup of the Windows 95 autoexec.bat and config.sys still stands.

A little too direct . . .

Q: I recently purchased an Edge computer (686-100, Cyrix chip) with 16Mb of RAM, 1.3Gb hard drive, soundcard, 2Mb Diamond Stealth (64 DRAM S3Visron764 controller — v4.02.239) display adaptor, NEC MultiSync C5OO monitor and a hex-speed CD-ROM. My hard disk was partitioned (C: and D: drives, 50 percent each) with DOS 6.2 and Windows 95 installed, as well as Windows 95 Plus and Diamond Stealth 'InControl Tools'. Games such as Myst, Phantasmagoria and Colonization have been installed and in the past worked fine.

Since I have Windows 95 installed, it seemed like a good opportunity to try demos of new 32-bit games from your monthly CD. In order to do so, it is necessary to install Microsoft DirectX 2, which enhances sound and graphic capabilities and which is in the Patches section. I was forewarned that "DirectX could possibly overwrite your current display drivers". However, (catch-22), one can't play the games without using DirectX. I changed my display to 256 colours as suggested, before installing game demos, however, I hadn't expected to have DirectX deactivate my Diamond Stealth controller and parts of Win

Roy's system

Existing autoexec.bat

```
@ECHO OFF
PROMPT $p$g
PATH C:\WINDOWS;C:\WINDOWS\COMMAND;C:\DOS
SET TEMP=C:\TEMP
rem — By Windows Setup — LH /L:1,46592 C:\WINDOWS\COMMAND\MSCDEX.EXE /D:SSCD000 /M:10
```

New autoexec.bat

(that's right — nothing)

New autoexec.dos

```
@ECHO OFF
PROMPT $p$g
PATH C:\DOS
SET TEMP=C:\TEMP
LH /L:1,46592 C:\WINDOWS\COMMAND\MSCDEX.EXE /E:SSCD000 /M:10
```

(plus lines possibly generated by display adaptor installer)

New config.sys, Windows 95 only

(that's right — nothing)

New config.sys, large DOS games under Windows 95

```
DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\EMM386.EXE
DOS=HIGH, UMB
DEVICEHIGH /L:1,16976 =C:\WINDOWS\SETVER.EXE
```

New config.dos

```
DEVICE=C:\WINDOWS\HIMEM.SYS
DEVICE=C:\WINDOWS\EMM386.EXE
DOS=HIGH, UMB
LASTDRIVE=Z
DEVICEHIGH /L:1,16976 =C:\WINDOWS\SETVER.EXE
DOS=HIGH
DEVICEHIGH /L:1,24000 =\SAMSUNG\SSCDROM.SYS /E:SSCD000
```

(plus lines possibly generated by display adaptor installer)

95 Plus, and modify many of my desktop icons (changing them to the common blank window icon).

Also, when I went back to play my standard games in DOS, the display was reduced in size by about one-third. Additionally, a few days later, my Microsoft Office icons all changed to contain lines of different colours instead of the normal logos. This has been most disconcerting. Additionally, Time Commando wouldn't uninstall. Have other readers had this problem or is it peculiar to the Cyrix chip?

As a result of DirectX, the system icon menu on the taskbar says 'System Agent Idle' as opposed to 'Open' when the right-button is clicked — the left-button gives no response. When Open is clicked, it changes to Suspend system agent, ie, I can no longer access Properties by clicking this icon. When Open is double-clicked, the System Agent icon appears on the taskbar; when I double-click System Agent, the System Agent window opens telling me when Scandisk and Defrag last ran. How do I return it to its normal menu?

Do I have to reformat my hard drive to remove DirectX and its effects on my system? If I decide to keep DirectX installed (or reinstall after formatting), is there a sequence of programs to install, for example, DirectX before most applications?

Which uninstaller should I purchase and install before running demos of the new games to be sure they are not cluttering up my hard drive? Cleansweep is not advertised as an uninstall program, but a local software house claims they are using it in this way.

I recognise that you can't provide personal technical support, but since Edge is a leading producer of computers, many of your readers must own one, and as your readers all get the CD with each issue, surely other readers are just as frustrated by these problems.

An additional note relates to Hyperblade (which requires a Pentium processor). This requirement is not listed as a requirement under Hyperblade (reviewed December '96, page 75). Seems like some readers would like to know about it!

Is there a group of 32-bit games coming out which those of us with a Cyrix chip will be unable to play? And if so, shouldn't this be listed as a requirement in reviews, or is this just Activision doing its own thing?

Robert Lavigne
Mt Barker, SA

$50 reader tip

Snappy submenus

Hacking my way through the Windows 3.1 system file win.ini, I found a way of speeding up submenus. Using Notepad or, better, sysedit.exe, which you'll find hiding in WINDOWS\SYSTEM, add these lines inder the [Windows] heading:

```
MenuShowDelay=0
MenuHideDelay=0
```

This speeds up all Windows menus and submenus. If that's too quick for you, you can experiment with different numbers to regulate the delays. I suspect you may be able to do the same with Windows 95.

Jay Jefferson
Deer Park, Vic

Nice little tip, Jay. As for Windows 95, the answer is no. However, Windows 95 allows its menu speed (and much else) to be adjusted via TweakUI, one of the famous Power Toys. These are available free from Microsoft's Web site and our subscriber CD. — Jan

A: *According to Microsoft, the DirectX display enhancer replaces relevant parts of your display driver with high-performance modules. If your existing driver is compatible with DirectX 1.0 and you install 2.0 or 3.0 (they usually are distributed with the games, by the way) and it has special enhanced features, the generic DirectX modules may have caused just such side effects as you have described. Microsoft recommends getting a current DirectX 2.0 compatible driver for the display adaptor from its manufacturer.*

If you decide to do without DirectX, you can uninstall it and reinstate your original display driver. To do this, run dxsetup.exe, which should also be on the game CD (and is on our CD). Some DirectX files will remain in the WINDOWS\SYSTEM folder, namely dsound., ddraw.*, ddhelp.exe, dplay.dll, dpserial.dll and dpwsock.dll. You can remove these by hand.*

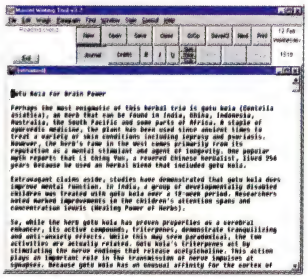
I can't tell you why Time Commando won't uninstall, but I suspect its uninstaller could be faulty. Try using one of the current uninstallation programs, such as WinDelete and Uninstaller, which can remove 32-bit as well as 16-bit programs. I believe CleanSweep has an uninstaller module, but I'm not familiar with the latest version.

The problems with the System Agent may or may not be related to the display adaptor. I suggest uninstalling and reinstalling it after the display problem has been cleared up.

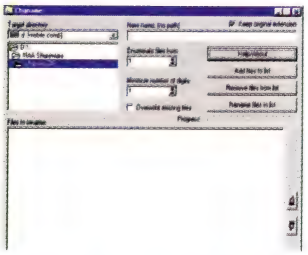
As for requiring a Pentium, I think you'll find that this refers to required processing power, not to the processor type as such. As far as I know, all processors sold as Pentium equivalent can run any program the Pentium can run. ❑

Shareware

Angela Booth looks at shareware and freeware for Windows 95, 3.1 and DOS to suit all tastes.



Marcel Writing Tool is a speedy word processor specially created for anyone who does a lot of writing.



Chgname is a simple freeware utility to change filenames and extensions in a batch.

Windows 95

Drag and File Gold

URL: *http://www.canyonsw.com*
Registered price: *$75*
Rating: ★★★★★

Drag and File Gold combines a mass of desktop help in one fast program. It includes the original Drag and File Desktop, plus file archiving utilities. You get all the usual file management features and much more, including tree and branch batch operations on all files; single click execution of most tasks from a toolbar; separate windows for each drive; full configureable hot key controls; filters; and directory synchronisation.

Marcel Writing Tool

URL: *http://www.hotfiles.com*
Registered price: *$25*
Rating: ★★★★★

This program is a speedy word processor specially designed for anyone who does a lot of writing. It loads faster than your usual word processor because it uses the system font to display text, however, when you print your files, you can choose any font on your system. Marcel files are saved in RTF (Rich Text Format), which is accepted by most word processors and many e-mail systems. It also features a spell checker, word count and a thesaurus.

DeskNotes

URL: *http://www.mindspring.com/~tmastran*
Registered price: *$50*
Rating: ★★★★★

If you use sticky notes programs, you have to check out this one — it's terrific! The notes you create look thoroughly realistic. You can create notes in a variety of styles; they can look like pages from a legal pad, an index card, or a hole punched card, among others. You can assign sound events to a note and there are over 100 different properties you can assign to your notes, so that they work as you want them to. There's even an included Notes Server, so that you can exchange notes with your friends via e-mail.

Klick-N-View Business Cards

URL: *http://www.hotfiles.com*
Registered price: *$25*
Rating: ★★★★

Klick-N-View is a fast and easy way to create and print your own business cards. You can use colour, any font you have on your system, and you can even include graphics, using OLE. To create a new card, just click on File, New, and then start adding text and graphics to your card. There's Print Preview, so you can check to see what your card will print like. Six samples are provided to get you started. Creating and printing your first card will take you around five minutes.

Perfect Keyboard

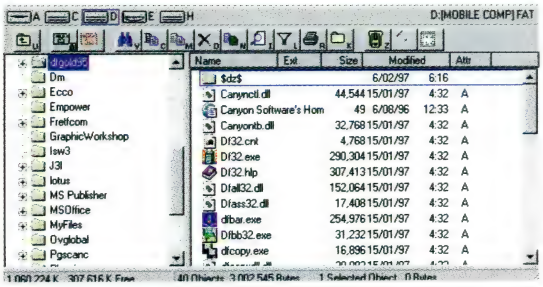
URL: *http://www.hotfiles.com*
Registered price: *$30*
Rating: ★★★★ ½

Perfect Keyboard lets you set up fast keys for often-used text, file paths, Windows shortcuts, forms (if you continually fill in the same forms, Perfect Keyboard will fill in some of the entries), programming constructions, e-mail addresses and URLs. There are two kinds of shortcuts — text and key. When the text shortcut is typed, it expands to longer text or to keystrokes. The key shortcut works in a similar way, but this time you type a combination of keys to achieve the expanded text or whatever.

Chgname

URL: *http://www.hotfiles.com*
Registered price: *Freeware*
Rating: ★★★★

This program is a handy free utility which will change filenames and extensions in a batch. You select the files which you wish to include, and the program renames and enumerates them for



Drag and File Gold is the 'must-have' complete desktop file and program management solution.

you. This is very useful if you want to collect files from several places, and store them in the same directory with related names.

StepUp96

URL: *www.pik.com/chaosoft.html*
Registered price: *$45*
Rating: ★★★★ ½

StepUp96 is a set of utilities which extend the Windows 95 interface. Additional commands are added to the menus and taskbar, including a folder navigator, menu designer, file handler, added taskbar options and more. There are so many options you're sure to find something you need, plus you can customise the program to suit your own requirements.

SmartDraw 3.0

URL: *www.smartdraw.com*
Registered price: *$79*
(BudgetWare 02-9519 4233)
Rating: ★★★★★

SmartDraw makes fast and simple work of creating great looking flowcharts, diagrams, presentations and other business graphics. Most of the program is drag-and-drop, so no artistic skill is required — the graphics are contained in libraries and you drag the shape you want onto your screen to use it. There are lots of libraries and templates to choose from and you can purchase more if you need them. The program automatically links your shapes, and you can choose from curved, straight or segmented connectors.

PowerDREAM

URL: *http://home.sol.no/eirhanse/*
Registered price: *$30*
Rating: ★★★★

PowerDREAM is a Windows 95 Explorer shell context-menu add-in. The program gives you right-click access to several file management features, such as copy, move, delete, send to, explore from here, copy to clipboard etc. The program is fully configureable, so if you want fast access to a favourite feature, it's easy to add it to the context menu.

Windows 3.1

Weight Shedders

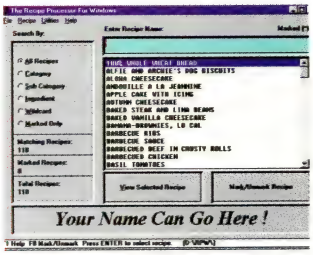
URL: *http://users.aol.com/nutrigenie/*
Registered price: *$50*
Rating: ★★★★ ½

As well as losing weight, this program can tailor your diet to make sure that you're achieving optimal levels of nutrition. The program is easy to use — enter your food choices for three meals, plus snacks, and the program counts the calories, and shows you the level of proteins, carbohydrates and fats. You can view and print graphical analyses of your diet. If you wish, the program will also generate eating plans for you, according to the energy level you choose.

The Recipe Processor for Windows

URL: *www.shareware.com*
Registered price: *$40*
Rating: ★★★★★

This program does more than simply store your favourite recipes. It allows you to manipulate the servings, convert the ingredient measurements, add scanned pictures to your recipes, print your recipes in book form, or as index cards, plus it has a real-time calorie calculator which tells you the number of calories, plus the fat, sodium and cholesterol count of each serving. You can also create shopping lists.



The Recipe Processor for Windows will help you manage your recipes.

DOS

CMFiler File Manager 6.05

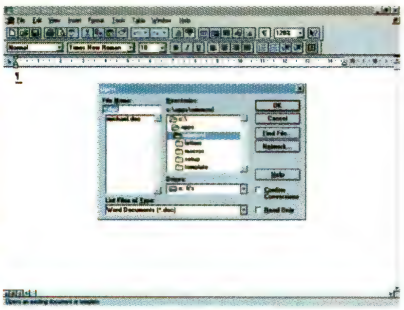
URL: *www.shareware.com*
Registered price: *$45*
Rating: ★★★★★

This new version of CMFiler comes with Windows 95 long filename support. It's still the fastest file manager you'll find. Special features include: side-by-side trees or directory listings, a full suite of directory/file services, a built-in editor, directory freshener, diskette formatter and copier, a menued application launcher, plus a notepad for file descriptions.

PC USER OFFLINE

This shareware and freeware is available on this month's CD-ROM. See page 3 for details.

If you have Microsoft Mail and use Word for Windows 6.0 or 7.0, there is a one in four chance that a new virus called ShareFun will infect your PC.



PC User Offline

On this month's CD, you'll find:

Internet Explorer: Security patches for Internet Explorer 3.0 (IE30 Security fix.exe) and Internet Explorer 3.01 (IE301 Security fix.exe). For users of earlier versions of Internet Explorer, you'll find the complete Internet Explorer 3.01 program (MSIE301.exe).

McAfee AntiVirus: Both the beta upgrade of VirusScan 95 (betascan.zip) that will zap the ShareFun virus; as well as the complete new version of McAfee's VirusScan 3.0 for Windows 95 and NT (v95i300.zip). You'll find the documentation for the new VirusScan 3.0 there as well (v95doc30.zip).

Late-breaking news

Microsoft has just released a full new version of Internet Explorer, IE 3.02, which we are including on the CD-ROM as well. This new release fixes the same security holes and then some! Plus it adds a few new features. If you want the very latest version, install the file MSIE302M95.exe instead of the patches.

Bug patrol

Rose Vines provides bugs, anomalies, issues, fixes and workarounds for your favourite apps.

Internet Explorer 3.0

Security holes

Microsoft's Internet Explorer has been leaking like a sieve.

In March, a bunch of US college students found a major security flaw in the Windows 95 and NT version of the product while they were doing a class project. The hole could allow a programmer to run programs and even delete files on a user's computer using Windows 95 shortcuts. Within days, Microsoft had a bug fix out.

By that time, the race was on for university students to grab the limelight and find their own Explorer bugs. The results? Two more holes discovered within the space of days.

Microsoft has released a fix for all three security breeches which we've included on this month's PC User Offline CD. There are two versions of the fix: one for those using version 3.01 of Internet Explorer, the others for those with version 3.0. Not sure which you're using? Do this:

1. Open IE and click the Help menu.

2. Look at About Internet Explorer.

3. If the last four digits of your version number are 1215 or higher, you should use the 3.01 security patch (IE301 Security Fix.exe).

4. If those digits are 1155 to 1158, use the 3.0 security patch (IE30 Security Fix.exe).

5. If your version number is lower than 1155, you're using a beta version of Internet Explorer and you should upgrade to the release version (MSIE301.exe). Once you've upgraded, use the 3.01 security patch.

6. If you're currently using Explorer 2.0, you'll be affected by the same security issues. You should upgrade to Internet Explorer 3.0 (MSIE301.exe) and then install the 3.01 security patch.

While these patches fix the current crop of security problems, chances are there could be more holes discovered in the future.

The best course of action for Explorer users is to check out — regularly — Microsoft's security updates, which it posts on www.microsoft.com/ie/security/update.htm

Microsoft Mail and Word

Self e-mailing virus

Someone with a penchant for irony has penned a new virus called ShareFun. This is the first virus to replicate itself by generating e-mail messages containing infected attachments.

The information about the virus comes from anti-virus software house, McAfee. We're sometimes hesitant to accept such information at face value considering it's in the interest of such companies to discover constant new threats, but we've seen enough macro viruses in the flesh at *PC User* to recognise the threat from them as genuine.

The Sharefun virus adds a new twist to the macro viruses that have been emerging mostly in Microsoft Office documents (a prime target due to their popularity). Once ShareFun has infected your PC, each time you launch Word for Windows 6.0 or 7.0, there's a one in four chance the virus will take secondary action. If it takes such action, the virus searches your computer for a copy of Microsoft Mail, selects three e-mail addresses randomly from your directory, and generates and transmits an e-mail message to the recipients. The message transmitted contains an attached Word document which is itself infected with the virus.

This is the only action the virus takes: it doesn't harm data and if you don't have Microsoft Mail it does nothing.

Microsoft Word 97 has built-in tools for detecting macro viruses. McAfee has also created an update to its VirusScan program which will stomp the virus. You can download the program from McAfee's site at www.mcafee.com, or you'll also find it on this month's PC User Offline CD (betascan.zip).

Alternatively, we've included the evaluation version of McAfee's new VirusScan 3.0 for Windows 95 on the CD as well (v95i300.zip). This detects macro viruses, like ShareFun, as well as thousands of other viruses. ❑

Australian PC User SHOWCASE

SHOWCASE INDEX

Advertiser	Page#
City Software	108,109
Command Comm.	117
Computer Affair	118
Corporate 3W	110,111
Gateway	32
Harris Tech	106-107
Hi-Q Computer	121
Laserband	112-113
Maus	119
Memory Banks	116
Proscan	114-115
Rod Irving	120
Software Today	122
Software Warehouse	128

- Ad Pacific
- Black Fire Technology
- Biscom Computers
- CYDEX Computers & Networking
- Data Media Solutions
- Ecom Computers
- Escom Computing
- Indigo Pacific
- Knockout Discount Software
- Knowledge By Design
- Nu-Reality Resources
- Oasis Communications
- Only One Professional
- Pacific Ink
- Pelham Pty Ltd
- Rite Price Computer Wholesale
- Story Bridge Creations
- Study Bytes
- Thermo-Tec
- Tri-Scan
- Valhalla Games & Hobbies

Australian PC User

ADVERTISING READER SERVICE

Send to PC User Magazine,
GPO Box 37 Sydney NSW 2001
Fax: (02) 9267 4909

AUGUST HOUSE

ADVERTISING READER SERVICE GUIDE

The companies and their products advertised in the May '97 issue of PC User are listed below. If you would like further information on any of them, just tick the box next to the product you are interested in and just post or fax this page to us. Sorry, but no more than ten ticked boxes will be accepted.

Company	Product	Pg#	Company	Product	Pg#
❑ 3M Aust	SW	57	❑ ERA	HW	55
❑ AES Brisbane	EXIB	IBC	❑ ERA (Hyundai)	HW	39
❑ AES Melbourne	EXIB	123	❑ Focal Point	HW	25
❑ AES Sydney	EXIB	63	❑ Harvey Norman	HW	35
❑ Apple	HW	47	❑ Leprechaun	SW	17
❑ Artisoft	Comms	9	❑ Microgram	SW	37
❑ Avery Denison	SW	51	❑ PC User Subs	SUBS	96-97
❑ Brother	HW	11	❑ Prentice Hall	Books	15
❑ Claris	SW	7	❑ Reckon	SW	13
❑ Classifieds	Showcase	124-127	❑ Reckon	SW	29
❑ Compucon	HW	45	❑ Samsung	HW	59
❑ Corel	SW	53	❑ Solution 6	SW	27
❑ Data-Tech	SW	21	❑ Sony	HW	5
❑ Designers Direct	SW	16	❑ Sybiz	SW	OBC
❑ Edge Technology	HW	IFC, 1			
❑ Epson	HW	64			

HW Hardware SW Software ShW Shareware UG Upgrades MM Multimedia GC Graphic Cards

Name: .....

Address: .....

..... Postcode .....

Phone No: .....

HELP US TO HELP YOU BY ANSWERING THE FOLLOWING QUESTIONS:

1. Do you use a PC at ❑ Work ❑ Home ❑ Both
2. What is your occupation? Please be as specific as possible .....
3. Do you plan to buy a PC for your personal use in the next 12 months? ❑ Yes ❑ No
4. What brand processor do you plan to purchase? .....
   Brand? .....
   Configuration? .....
5. Are you involved in the computer purchase decision process at work? ❑ Yes ❑ No
6. What two types of software do you most use? (eg wordprocessor, CAD etc.) .....
   .....
7. What is your operating environment? (For example DOS, Windows, Geoworks, OS/2) .....
   .....

HARRIS – for Corporate, Government, Business & Individual Users

COMPUTERS SYSTEMS

AST • IBM • HARRIS

Corporate Workstation

PRO-200, 32Mb, 2.5Gb, NT

Powerful AST, Intel Pentium® Pro powered system, 8 x CD-Rom, Matrox Millenium 2Mb Graphics Card 16Bit Crystal 4232 compatible SoundCard.

AST **$4,593** Windows® NT Workstation.

Ideal Personal System

166MHz, 16Mb, 2Gb, Modem, 3D.

Aptiva With Intel Pentium® Processor, 16 x CD–Rom, V34 modem, hardware assisted MPEG, Internet software & heaps of other software including Lotus SmartSuite.

From $3,259

IBM Business Partner

Call us for details on IBM Voicetype software.

NOTEBOOK COMPUTERS

AST • IBM • NEC • TOSHIBA

TOSHIBA Satellite Pro 430CDS

120MHz, 16Mb, 1.2Gb, 10spin CD

High peformance notebook with a 120MHz Intel Pentium® CPU, 11.3" Passive color screen, Inbuilt Mic–Speaker & SoundBlaster compatible sound , 3 years international parts & labour warranty.

$3,595

Mitac 5023 Notebook

Only **$2,790**✓

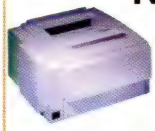
MiTAC

- With Pentium® 120 CPU
- 10.4" Active Color screen
- 16Mb RAM, 1.1GB HDD
- Includes Carry Bag
- Touchpad & PS–2 mouse

We also carry Notebooks from IBM NEC & AST. Many models available and many on display 7 days a week. Phone, fax or visit our web-site for the latest info.

PRINTERS

BROTHER • CANON • EPSON
HEWLETT PACKARD • LEXMARK
NEC • LASER & INKJET



HEWLETT PACKARD 600dpi, 8ppm, 2 parallel ports for seamless sharing

LaserJet 6P **$1,259** LaserJet 6MP **$1,591**

Canon BJC 4200

Office color printer, up to 720 x 360dpi with photo Ink option, 5ppm. **$377**

EPSON Stylus Color 600

$526

1440 x 720dpi

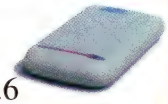
The cost effective solution for superior print quality. Capable of 1440x720dpi resolution when used with HP drivers. New microweave technology. Comes with auto sheet feeder.

MODEMS

BANKSIA • NETCOMM
XIRCOM • US ROBOTICS
CREATIVE • APEX

NetComm

$265



Roadster 33.6

Wave SP 33.6 **$258**

Banksia

Also available: Other ext.l modems, PC-Card Modems, Combo Ethernet/Modem cards etc.

SOFTWARE

We stock software from all of the leading vendors. Search our web–site for any products – or call us for assistance.

Microsoft®

Standard	$666
Std. Upgr.	$357
Professional	$775
Prof. Upg.	$455

COREL®

Corel Office Professional	
Full Prod	$432
Upgrade	$285

AN IMPORTANT CHOICE

Why should you choose Harris Technology as your supplier? **Because we offer competitive prices and better service for Corporate, Government, Business & Individual Users.**

THE HARRIS WEB–SITE

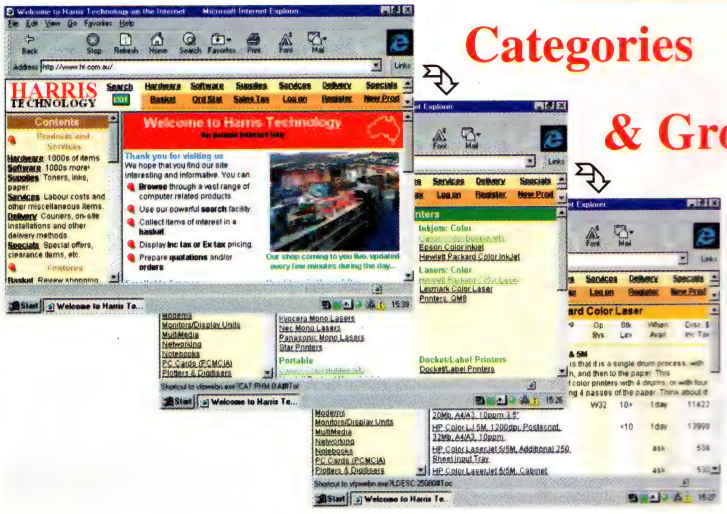
"Absolutely, fabulously, undeniably THE very best shopping site I have found in the last year of surfing. It met every expectation I would have. More comfortable, faster and quite likely more informative (due to the links etc.) than actually being in the shop. Today I am a proud Aussie!"

Unsolicited feedback from an internet user, January 4th, 1997.

http://www.ht.com.au

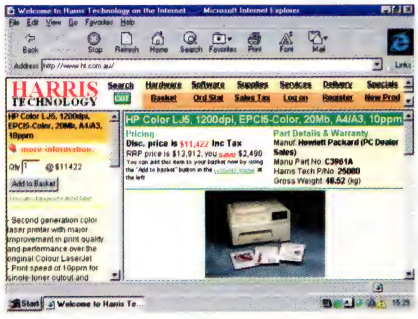
You can *quickly* drill down through:

Browse our Web–site, phone, fax or call in for:
CAD • NETWORKING • PCMCIA
SOFTWARE • GRAPHICS CARDS
NOTEBOOKS • SYSTEMS

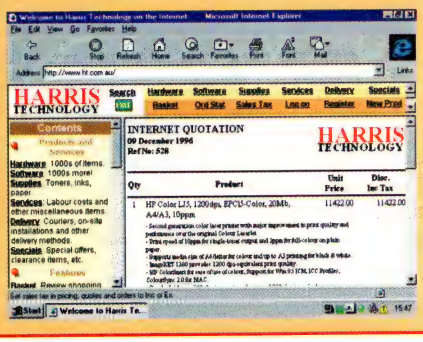


Categories

& Groups... to thousands of Parts.



Create and Print Your Own Quote

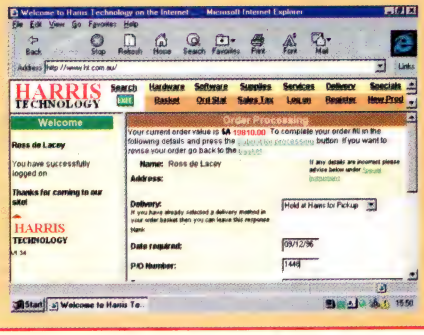


THOUSANDS OF PRODUCTS ON-LINE

View our "Live" data showing price and availability

Adobe • Apex • AST • Banksia
Brother • Caere • Canon • Casio • Corel
Epson • Hercules • Hewlett Packard
IBM • Intel • Kodak • Lexmark • Lotus
Matrox • Microsoft • NEC • NetComm
Number 9 • Seagate • STB • Toshiba
TrueVision • Xircom

Like to order? Sure, No Problem.



HARRIS TECHNOLOGY

Ground Floor, 275 Alfred Street, North Sydney
Ph 9957 1142, Fax 9957 3345 Internet www.ht.com.au

All prices include tax and are subject to change without notice.
Windows is a registered trademark of Microsoft Corporation,
Pentium is a registered trademark of Intel Corporation.

Open 7 Days
9-6 Mon/Fri
9-4 Sat/Sun

Visio version 4.0

The one tool for all your diagramming needs. Nothing clarifies and simplifies ideas like the right diagram. **Visio 4.0** is the smartest way to create all your business diagrams.

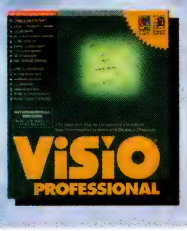
On CD &3.5" Disks for Windows for only: **$225**

Visio Technical 4.5

Visio Technical 4.5 is the most efficient way to create and share professional technical drawings. And with Visio Technical's **SmartShapes** symbols, technical drawing has never been easier!

On CD for Windows for only: **$415**

Visio Professional 4.5



Visio Professional is the best way to see what's really happening in your business and it's the smartest way to design and document your information systems and business processes.

On CD for Windows for only: **$479**

ABC Flowcharter 7.0	329	Save	166
ABC Graphics Suite	425	Save	174
ACT! 3.0 Windows 95 & NT	245	Save	44
Adobe Acrobat 3.0 Windows 95/NT	295	Save	100
Adobe Pagemaker 6.5	929	Save	366
Adobe PageMaker 6.5 Upgrade	**199**		**In stock**
Adobe PhotoShop 4.0 & HP ScanJet 5P	**795**		**Inc Tax**
Adobe Photoshop 4.0 Upgrade	310		In stock
AutoCAD LT 2.0 Windows 3.11	415	Save	80
AutoCAD LT 3.0 Windows 95/NT	**749**	**Save**	**140**
Banksia Wave Sp33.6 Out Modem	249		Inc Tax
Borland C++ Builder Professional	**335**		**NEW**
Borland C++ Builder Professional Upgrade	295		NEW
Borland C++ Builder Standard	125		NEW
CD Blank Mitsui GOLD (with case)	13		Inc Tax
CD Blank Sony CDR74 (with case)	12		Inc Tax
CheckIt 4.0 Diagnostic Toolkit	159	Save	40
CheckIt 4.0 WincheckIt	69		Special
Corel Draw 4.0c CD and Disks	129		Special
Corel Draw 7.0 CD (Upgrade with version 4.0 bundle)	**478**		**Special**
Corel Draw 7.0 Upgrade CD	359	Save	121
Corel Lumiere Suite CD	110		39

FREE DELIVERY TO ALL STATES*

Corel MegaGallery	115		NEW
Corel Wordperfect Suite 6.1/7.0	159		Special
Dr Solomon's AntiVirus Toolkit 95 or NT	199		NEW
Eudora Pro 3.0	99	Save	21
Filemaker Pro 3.03	259	Save	90
First Aid 95 Deluxe Windows 3.1/95	45		Special
First Aid 97 Deluxe Windows 95	**75**		**NEW**
Footy Tipping Software 97	60	Save	10
HP ScanJet 5P Scanner	549		Inc Tax
IntranetWare Small Business Server & 5 user	549		NEW
iShare for MS & Lantastic Networks	250	Save	85
Kewala's Typing Adventure	69	Save	30
Laplink Pro 7.5 for Windows 95	215	Save	80
Lotus cc:Mail 8.0	Call		Out soon
Lotus Notes 4.5 Client Upgrade	55		NEW
Lotus Notes 4.5 Desktop	**119**		**NEW**
Lotus Organiser '97 Upgrade	95		NEW
Lotus SmartSuite 97 Upgrade	339		NEW
MagnaRAM 97	59	Save	20
Master Clips 101,000 ClipArt Images	**79**	**Save**	**21**
Master Clips 150,000 ClipArt Images	149		NEW
Master Photos 25,000	49		NEW
McAfee Virus Scan & Time Commander	79		Special
Micrografx Small Business Graphics & Print Studio	79	Save	16
Modem Share 1 shared port	139	Save	20
MS Access 2.0 Windows	345	Save	50
MS Access 97 Upgrade	139		NEW

FAST! SAME DAY DESPATCH

MS Encarta 1997 CD Encyclopaedia	**59**	**Save**	**30**
MS Encarta 1997 CD World Atlas	59	Save	30
MS Excel 7.0 Windows '95 FULL	**169**		**Special**
MS Excel 97 Upgrade/Crossgrade	139		NEW
MS Exchange 5.0 Five User	Call		Out soon
MS Flight Simulator 6.0 Windows 95	**59**	**Save**	**30**
MS Flight Simulator Australian Scenery	49	Save	6
MS Front Page 97	**139**	**Save**	**134**
MS Front Page 97 Upgrade	69	Save	21
MS Greetings Workshop (Hallmark Cards)	35		NEW
MS Home Essentials CD			**Out soon**
MS Intellimouse (Intellisense)	89	Save	10
MS Office Small Business Edition			**Out soon**
MS Outlook 97	129		NEW
MS PowerPoint 97 Upgrade	139		NEW
MS Project 4.0 or 4.1	**688**	**Save**	**411**
MS Publisher 2.0 Windows	99	Save	50
MS Publisher 97 CD	**95**	**Save**	**24**
MS Publisher 97 Upgrade CD	69	Save	10
MS Team Manager 97	590		NEW
MS Visual C++ 4.0 Pro & Subscription	**625**	**Save**	**321**
MS Visual J++	119		NEW
MS Visual Studio Pro 97	1295		NEW
MS Windows 95 & Internet Explorer Starter Kit	159		NEW
MS Windows '95 Full	285	Save	110
MS Windows '95 Upgrade CD or Disks	139	Save	30
MS Win 95 Upg, mouse, MS Plus Pack, Win 95 Starts Here book	179	Save	150
MS Windows NT 4.0 Server & 5 client	**995**	**Save**	**553**
MS Windows NT 4.0 Server & 5 client Crossgrade	549	Save	226

COMPETITIVE PRICES

MS Windows NT 4.0 Server Client Licence	55	Save	14
MS Windows NT 4.0 Server Resource Kit	189	Save	111
MS Windows NT 4.0 Workstation	**399**	**Save**	**204**
MS Windows NT 4.0 Workstation Resource Kit	85	Save	14
MS Windows NT 4.0 Workstation Upgrade	189	Save	100
MS Word 97 Upgrade/Crossgrade	149		NEW
MS Works 3.0 or 4.0 for Windows	69	Save	66
MYOB 6.0 Windows or MAC	365	Save	130
MYOB 6.0 with Payroll	549	Save	146
MYOB First Accounts	**229**		**NEW**
Net Nanny	49	Save	40
Netscape Navigator 3.0 Gold with Manuals	119	Save	71
Netscape Navigator 3.0 with Doc's	**99**	**Save**	**36**
Netscape Navigator 3.0 without Doc's	85	Save	50
Norton Antivirus 2.0	79	Save	20
Norton NT Tools	99	Save	30
Norton PC Anywhere 32 7.5 Host/Remote	199	Save	100
Norton PC Anywhere 2.0 Win H&R	185	Save	14
Norton PC Anywhere 7.5 Host/Remote	199	Save	100
Norton Utilities 2.0 Win 95 OR NT	109		NEW
OmniPage 7 Pro & HP Scanjet 5P	**949**		**Inc Tax**
Paintshop Professional 4.1	99	Save	11
Partition It!	79	Save	20
Partition Magic 3.0	109	Save	40
Pc-cillin 95 AntiVirus	79		Special
PC Handyman CD	69	Save	20
Pitfall for Windows '95 Adventure Challenge Game	19	Save	60
PK Zip 2.5 for Windows or DOS	89	Save	10

MS Office '97

SAVE!!! Buy Harvard Graphics for only $19 and then legitimately upgrade to any version of MS Office!

MS Office 4.3 Professional for Windows 3.11	$439
MS Office 4.2 Standard for Windows 3.11	$349
MS Office 97 Professional Upgrade	$439
MS Office 97 Professional Upgrade & IntelliMouse	$469
MS Office 97 Standard Upgrade	$345
MS Office 97 Starts Here! Training CD	$39
MS Running Office 97 Book & CD	$49

Small Business Edition

Perfect for your small business

Includes:
Microsoft Excel 97
Microsoft Word 97
Microsoft Publisher 97
Microsoft Outlook™ **PLUS**
Microsoft Internet Explorer

Also available: **MS Home Essentials 97** which includes Word 97 upgrade, Works 4.0, Encarta World Atlas 97, MS Greetings Workshop (Hallmark Cards), MS Internet Exchange and MS Arcade and Internet Gaming Zone.

Call for Prices on these sensational new products from Microsoft.

RELIABLE

BUY SOFTWARE THE SMART WAY

Procomm Plus 4.0 Windows '95	219		NEW
QuarkXPress 3.32 Windows	**1659**	**Save**	**340**
Quarterdeck Clean Sweep 3.0	65	Save	25
Quarterdeck InternetSuite & Microphone	15		Special
Quarterdeck Qemm 8.0	99	Save	31
Quick Books 5.0	**Call**		**Out soon**
Quicken 6.0 Deluxe CD Windows	Call		Out soon
Quicken 6.0 for Business	Call		Out soon
Quicken 6.0 Windows CD	67		Out soon

Visual CafÈ Windows 95/NT	245	Save	150
Webster's Australia Encyclopedia 97	59	Save	11
Wincom Pro 7.0 & Cyberjack	129	Save	86
Winfax Pro 8.0	**119**		**NEW**
WinZip 6.2 1 User	89	Save	10
XTree Gold 4.0 Windows	110	Save	39
Zip 100MB Disc	26	Save	14
Zip Drive 100MB External	**289**		**Inc Tax**
Zip Drive 100MB SCSI External or Internal	289		Inc Tax

Reach Out 7.0 Host&Viewer	225		NEW
Remove It!	59	Save	20
Smart Draw 3.0	85	Save	15
StockEasy 2.1	139	Save	10
System Commander 3.0x	119	Save	50
The Ultimate Australian Gardening CD	59	Save	10
Tracker 2.0 & FREE Upgrade to '97	**285**		**Special**
TurboCAD 3.0 2D/3D	149	Save	51
Type Quick 7.0 Windows or DOS	69	Save	30
Uninstaller 4.0	45	Save	15
VET Antivirus	**95**	**Save**	**45**

Visual Basic 5

Superfast development. Superfast applications.

Develop high-performance applications with native code compilation and ActiveX™ control for client/server and Web-based deployments with **Visual Basic version 5.0**.

For Windows 3.1/ 95/NT from only: $139

MS Visual Basic Standard Edition CD	$139
MS Visual Basic Professional Edition Upgrade CD	$335
MS Visual Basic Professional Edition CD	$649
MS Visual Basic Enterprise Edition Upgrade CD	$935
MS Visual Basic Enterprise Edition CD	$1345

Academic versions listed in main advert.

ACADEMIC VERSIONS (Student/Teacher ID required)			
Adobe Acrobat 3.0	85	Save	15
Adobe Pagemaker 6.5 & Clip Art	**335**		**Special**
Adobe Photoshop 4.0	389	Save	406
Borland C++ 5.0	**159**	**Save**	**20**
Borland C++ 5.0 Developer	299	Save	51
Borland C++ Builder Professional	**299**		**NEW**
Borland C++ 5.0 Builder Standard	115		NEW
Borland Delphi 2.0	89	Save	10
CodeWarrior Gold Windows 95/NT	179		NEW
Corel Click and Create 1.01	145		NEW
Corel Draw 7.0	**139**	**Save**	**10**
Corel Web Graphics Suite	59	Save	10
Corel WordPerfect Suite 6.1/7.0	49		NEW
Lotus SmartSuite 4.0 or 96	69		Last stock!
Mathematica 3.0	260		NEW
MS Front Page 97	**85**		**NEW**
MS Publisher 97 Windows 95	89	Save	10
MS Visual Basic 5.0	**65**		**NEW**
MS Visual Basic 5.0 Enterprise	225		NEW
MS Visual Basic 5.0 Professional	**119**		**NEW**
MS Visual C++ 4.0 Professional	199	Save	50
MS Visual J++ Pro Windows 95	59		NEW
MS Visual Studio Professional 97	295		NEW
MS Windows NT 4.0 Workstation	**169**	**Save**	**10**
Norton Utilities 2.0 Win 95 or NT	69	Save	6
Turbo C++ 3.0 DOS	**79**	**Save**	**16**
Winfax Pro 8.0	**79**		**NEW**

...AND MORE THAN 3500 OTHER TITLES!

For more information see our home page at http://www.citysoftware.com.au
Unit 103 Slough Estates, 45 Gilby Rd. P.O. Box 697, Mount Waverley VIC 3149
Email: sales@citysoftware.com.au

Phone: 03 9558 9555
Facsimile: 03 9558 9900

*FREE Express Freight!

FOR ALL ORDERS OVER $200 - otherwise add $10 for delivery ($5 to Melbourne Metro). Same day delivery in Melbourne (order by 12:30pm) and next day to most other locations (order by 4pm). Government/corporate purchase orders, cheques and credit cards welcome. Further discounts on quantity. Please call for products not listed and for volume licence pricing. Prices/versions subject to change without notice. Full price list available on request. Savings off RRP/SRP. All prices include sales tax. Only official Australian versions listed. E & O.E

ACN 054 615 253

CITY SOFTWARE©

A.C.N. 054615253

MAY 1997 - MICROSOFT SPECIALS

NEW PRODUCTS FOCUS

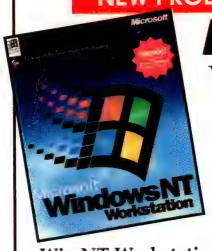
Microsoft Office 97 UPGRADES

- **Office 97 Standard** $329
- **Office 97 Professional** $429

If you don't already qualify for these upgrades then add $20 for Harvard Graphics CD

- **Office 97 Developers Edition** *(from 97)* $399
- **Office 97 Developers Edition** *(from 95)* $729

NEW PRODUCTS FOCUS



Microsoft Windows NT WorkStation Ver 4 Upgrade

$179!!

- Win NT Workstation V4.0 Full $389
- Win NT Workstation V3.51 $195
- Win NT Workstation V4.0 Upgrade $179
- Win NT Workstation 4 Resource Kit $110
- MS Win NT Server 4 $795
- MS Win NT Server 4 + 5 Clients $999
- MS Win NT Server 4 + 10 Clients $1275
- MS Win NT Server 4 Upg + 5 Clients $569
- MS Win NT Server 4 Upg + 10 Clients $690

NEW VERSIONS FOR WIN 95

Microsoft OFFICE 97

LICENCES
STD - **$430**
PRO- **$480**

Buy 4 - Get 1 FREE

Microsoft VisualBASIC Professional V5

$415

(Save $310)

This Special Offer is for owners of MS Office, Excel or Access.

CORPORATE SOFTWARE AUSTRALIA

Proprietary Limited ACN 003 338 029

UNIT 1A • 28 VICTORIA ST • SMITHFIELD • NSW • 2164
P.O. BOX 6168 • WETHERILL PARK • NSW • 2164

PHONE: (02) 9725•3700 OR VISIT OUR WEB SITE: CORPSOFT.COM.AU FAX: (02) 9604•1983

WHY PAY MORE? WE GUARANTEE TO BEAT ANY GENUINE COMPETITOR'S PRICE !!

PCU/PCW 0597 (0404)

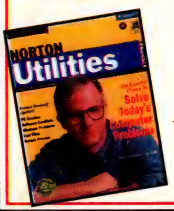
New for Windows 95 & NT

ABC FLOWCHARTER V7 for Win95/WinNT
Includes FREE ABC Flowcharter V4
$295.00

Micrografx GraphicsSuite V2 for Win NT/95
Incl: Flowcharter 7, Designer, Picture Publisher & More
$369.00

WinFax V8 for WinNT/95
$117.00
Upgrades for $85

REACHOUT V7 for Win NT/95/3.1
$209.00



Norton Utilities V2 for Win 95/NT
$109.00 each

ABC Flowcharter V4 (+Free Version 6)	$249
ABC FlowCharter V7 (NEW!!!)	$295
Adobe Illustrator V4.1	**$399**
Adobe PageMaker V6.5 - Full	**$975**
Adobe PageMaker V6.5 - Upgrade	**$195**
Adobe Photoshop V4 with FREE HP 5P Colour Scanner	**$730**
AutoCAD LT V2	$415
AutoCAD LT V3 for Win95	$725
Borland C++Builder Standard	**$145**
Borland C++Builder Pro	**$450**
Borland C++ V5 - Desktop	**$275**
Borland C++ V5 - Developer	**$450**
Borland Delphi V2 Desktop	**$220**
Borland Delphi V2 Developer	**$399**
Carbon Copy 32 Edition (95/NT)	$195
Check-it Diagnostic Kit	$158
Corel Draw 5 on CD	$449

NORTON ANTIVIRUS V2
for Win NT $85
for Win 95 $79
Upgrade to Ver 2 $64

Corel Draw V7 on CD (Win 95)	$599
Corel Ventura V7 - CD	**$459**
Crystal Reports Professional	$525
Eudora Professional V3.0	$99
First Aid Deluxe 97 - NEW	$75
Harvard Graphics V3 CD	$20
i-SHARE V2 (Modem sharing)	**$250**
Kai's Power Tools	$180
Laplink for Windows 95 V7.5	$199
Lotus 1-2-3 97 on CD	**$299**
Lotus 1-2-3 97 Upgrade - NEW	**$195**
Lotus DOMINO V4.5 Server	**$1099**
Lotus NOTES Desktop V4.5	**$120**
Lotus Organiser 2.1 for Win 3.x/95	**$130**
Lotus Organiser 97 for NT/95	**$120**
Lotus Smartsuite 97 CD + FREE Mouse	**$335**
Lotus Smartsuite V4 - 3.5"	**$325**

McAfee VirusScan Win3/95/NT (inc FREE Time Commando Game on CD)	**$88**
M.Y.O.B. Windows V6	$363
MS DOS + Win/Workgroups	$185
MS FrontPage 97 inc Bonus Pack	$139
MS MOUSE (Serial or PS/2)	$75
MS Plus! Addon For Win 95	$48
MS Project V4.0 for Win 3.x	**$449**
MS Project V4.1 for Win 95/NT	**$629**
MS Publisher V2 - Win 3.1	$105
MS Publisher 97 -Win95 (CD)	$95
MS VisualBasic V5 Pro Upgrade	$329
MS VisualBasic Pro 4 Special	$370
MS Visual C++ V5 Professional	$679

PageMaker V6.5
for Win NT/95
$975.00

MS Visual C++ V5 Pro Upgrade	**$329**
Win 95 Resource Kit (CD)	$75
Win NT Server 4 Resource Kit	$240
Win NT Wkstn 4 Resource Kit	$110
MS Windows 95 Full Version	$199
MS Windows 95 Upgrade - CD	$120
MS Works V3 for Win 3.1	$64
MS Works V4 for Win 95	$68
Netscape Navigator 2 + Internet Access OZEMAIL	**$20**
Netscape Navigator V3.0	$95
Norton AntiVirus (DOS/Win)	$69
Norton AntiVirus V2 for 95	**$79**
Norton Navigator for Win 95	$99
Norton Utilities V2 for 95 or NT	**$109**
OmniPage Direct V2 - Win	**$249**
OmniPage Pro V6 * (Win 3.x)	**$495**
OmniPage Pro V7 * (Win95/NT)	**$795**
(* Includes FREE OmniPage Direct)	
OS/2 Warp V4 - Upgrade	$165
OS/2 Warp V4 - Full	$220

Partition Magic V3 - NEW	$106
PC Anywhere for DOS or WIN	$179
PC Anywhere 32 bit (+FREE Cable)	$179

COREL WordPerfect Suite V6
$199.00 CD
Upgrade $169

Procomm Plus for Win 95-CD	$210
Procomm Rapid Remote 95	**$110**
Q&A for Win (Limited Stocks)	$275
QuickBooks V4	**$245**
QuickPayroll V2	**$195**
QUICKEN V3 (Free Delivery)	**$20**
QUICKEN V5 (Australian)	**$55***
*** after $20.00 Cashback from manufacturer**	
Reachout V6 Host & Viewer	$189
Seagate Backup V2 for Win 95	$125
Seagate Backup Exec - NT Server	$815
SureTrak Project Manager	$625
System Commander V3	$115
TimeLine 6.5 for Windows	$595
TypeQuick (for Windows)	$69
Uninstaller V4 - New 32 bit	$45
VET AntiVirus 9.3 Win 3/95/NT	$95
VISIO Professional	$375
(Upgrade to Visio Professional $285)	
VISIO V4 for Win 3.x/95	$225
WinCheckit Ver 4 (CD & 3.5")	$85
WinFax Pro V4 or Ver 8 (CD or 3.5")	$117
XTree Gold Windows Ver 4	$105

PC Anywhere 32 bit Edition for NT & Win 95
$179.00
Incl Host & Remote and FREE Cable

CORPORATE & GOVERNMENT ENQUIRIES WELCOME. FURTHER DISCOUNTS AVAILABLE DEPENDING ON QUANTITY REQUIRED

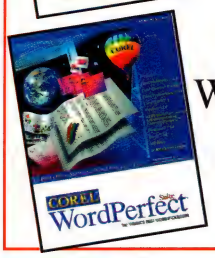
MAY 1997 - CORPORATE SPECIALS

NEW VERSIONS FOR WIN 95

COREL OFFICE PRO VERSION 7

$399

Upgrade $319



COREL WORDPERFECT SUITE 7

$249 (CD)

Upgrade $169

Microsoft® LICENCES

CALL US FOR THE BEST VALUE ON LICENCES, E.G:

- OFFICE 97 PROFESSIONAL $480
  (SPECIAL OFFER – BUY 4, GET 1 FREE)
- MS WINDOWS 95 UPG LICENCE *from* $105
- WINDOWS NT WORKSTATION V4 $299

** Excluding Postage & Handling.*

FREE HP COLOUR SCANNER

While stocks last, you'll receive a FREE HP 5P Colour Scanner when you purchase *Adobe Photoshop V4* for just $730 !!

CORPORATE CLEARANCE SALE

CHEAPER THAN MOLP /SELECT!!

(FULL COPY - COMPLETE WITH DOCUMENTATION, DISKS , LICENSE AND REGISTRATION)

- MS OFFICE PRO V4.3 $495
- MS OFFICE 4.3 (LICENCE ONLY) $460
  (Special Offer: Buy 4, Get 1 FREE)
- MS OFFICE STD V4.2 $425
- MS WORD V6 OR EXCEL V5 $230
- MS EXCEL V7 (FREE* '97 UPGRADE) $180
- MS POWERPOINT V4.0 $195
- MS ACCESS V2 $230
- MS PROJECT V4 FOR WINDOWS $449

** $14.75 for Postage and Handling*
IDEAL FOR CORPORATE & GOVERNMENT BUYERS.

CORPORATE SOFTWARE AUSTRALIA

Proprietary Limited ACN 003 338 029

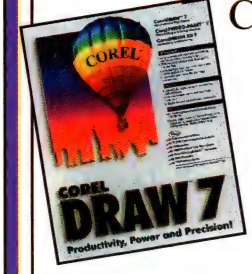
UNIT 1A • 28 VICTORIA ST • SMITHFIELD • NSW • 2164
P.O. BOX 6168 • WETHERILL PARK • NSW • 2164

PHONE: (02) 9725•3700 OR VISIT OUR WEB SITE: CORPSOFT.COM.AU FAX: (02) 9604•1983

Phone or Fax your Order and we'll Deliver to your Home or Office

PCU/PCW 0597 (0404)

NEW PRODUCT FOCUS



COREL DRAW VERSION 7

$599.00

Upgrade $359

New for Win 95 or NT V4.
Requires Pentium 60 or better

New Super Low Prices For:

Corel Draw V5 for Win 3.x	$449
Corel Draw V6 for Win 95	$399
Corel Ventura V7 for Win 95/NT	$459
Corel Ventura V7 Upgrade CD	$359

Microsoft®
UPGRADES AND TRADEUPS

FOR WINDOWS 3.x USERS

- OFFICE PROFESSIONAL V4.3 Upg/Tradeup $439
- OFFICE STANDARD V4.2 Upg/Tradeup $339
- WORD V6 OR EXCEL V5 Upg/Tradeup $189
- ACCESS V2 Upg/Tradeup $189

FOR WINDOWS 95 OR NT USERS

	UPGRADE	FULL
ACCESS 97	$139	$319
WORD 97	$139	$319
EXCEL 97	$139	$319
PROJECT 4.1	$199	$629
VISUALBASIC PRO V5	$329	$625
VISUAL C++ PRO V5	$329	$679

NEW PRODUCT FOCUS

PARTITION MAGIC

Ver 3

$106.00

SYSTEM COMMANDER

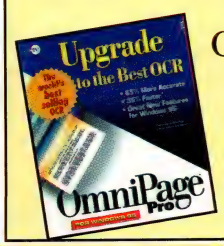
Ver 3

$115.00

OMNIPAGE PROVER 6

(with FREE OmniPage Direct)

$495.00



OMNIPAGE PRO Ver 7

(for Win 95/Win NT Includes FREE OmniPage Direct)

$795.00

MS PUBLISHER 97

For Windows 95 or NT

$95.00

PLEASE NOTE

- DELIVERY: POST $10 OR COURIER $14.
- WE ACCEPT BANKCARD MASTERCARD & VISA
- PHONE, FAX AND MAIL ORDERS WELCOMED
- GOODS ORDERED IN ERROR INCUR A 15% RESTOCKING FEE.
- WE ACCEPT AUTHORISED RETURNS FOR CREDIT WITHIN 10 DAYS IF GOODS ARE UNOPENED AND IN SALEABLE CONDITION.
- PRICES INCLUDE SALES TAX ; E.&O.E.
- MONEYBACK OFFERS (IF ANY) ARE THE RESPONSIBILITY OF THE MANUFACTURER.
- ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

CLEARANCE CORNER

Check our Web site for latest specials and savings

- Asymetrix WEB 3D $49
- Asymetrix Digital Video/3D FX $69
- Corel Draw V6 - Full $399
- DBASE 5 for Windows $99
- Inside Indepedence Day (CD) $38
- Logitech Mouseman 3 button $39
- MS Publisher 95 - CD $75
- MS Small Business Pack $75
- MS Works V3 $64
- Windows Draw V4 for Win 95 $40

CD-ROM RECORDERS

NEW! 6-Spin Generation

"Australia's Best CD-R Deal Just Got BETTER!"

Smart and Friendly

Every CD-R includes FREE:
- Adaptec SCSI-2 Controller
- Multi-Platform Software
- Cables & Blank CD Disc

Record 74 Mins of CD Audio or 650MB of Computer Data

Creates: ISO-9660 CD-Rom, XA, Redbook Music CD, Mixed Mode, CD Extra, Photo-CD*, VideoCD*, MAC HFS, Singlesessions, Multisession, etc. * Optional Software

- Support Long Filenames under Windows 95
- Now works under WINDOWS NT 4.0
- MAC Pack available inc: Toast 3 PRO

CDR-2006
6x Read/2x Write

CDR-2006 Internal **$699**

- CDR-2006 Ext (PC) $349
- CDR-2006 Ext (MAC) $349
- CDR-2006/MA Int (PC) $399
- CDR-2006/MA Ext (PC/MAC) $999

CDR-4006
6x Read/4x Write

CDR-4006 Internal **$1449**

- CDR-4006 Ext (PC) $1599
- CDR-4006 Ext (MAC) $1649
- CDR-4006/MA Int (PC) $1599
- CDR-4006/MA Ext (PC/MAC) $1749

BONUS-$1800 FREE SOFTWARE WITH EVERY CD-ROM RECORDER

- NEW! Adaptec Easy-CD Pro Win95/NT v2.0
- Packet Recording for Windows 95
- Easy-CD Pro MM v3.0/4X - Windows 3.1
- Easy-CD Pro for Mac v1.5 (optional manual)
- CD Workshop for Windows 3.1 v2.0
- Easy-CD Backup, Win 3.1 v1.2
- PLUS Media Agent for CD's
- CD Label Templates
- MAC CD-Recorders come with Astarte Toast CD-Rom Pro 3

MULTIMEDIA AUTHORING (MA) PAKS

Everything you need to produce your own CD-Rom titles. Paks include: A complete Smart & Friendly CD-Rom Recorder (CDR-2004 or CDR-4006), Easy-CD Suite (PC) or Toast (Mac) CD-Recording software ***PLUS*** *Macromedia Director 5 - 2 CD Set (worth $1595!) - to create professional royalty-free multimedia presentations. NB: Specify PC or Mac*

8X CD-R Deck

Optimum efficiency for Small-Run Duplication Needs. FOUR (6X Read, 2X Write) CDR-2006 CD-Recorders in one tidy tower.

4 Copies in 34 minutes

$3999

20X CD-R Deck

FIVE CDR-4006 CD-Recorders cabled together in tower case (pictured). Record 5 CD's every 17 minutes (3.4 minutes per disc!)

A MUST for Professionals...

$15999

CDJ 4008 8x JUKEBOX
4 Disc SCSI CD-Rom Drive

Smart and Friendly

- Fast Access to 4 CD's (2.6GB)
- Razor-Sharp, fast access, 8X Speed
- No clumsy Magazine, Caddy or Tray!
- Complete Kit inc: Adaptec SCSI adapter, Cables, Terminator & Manuals

PLUS $1300 FREE Network Software
- MediaAgent
- CD-Vision
- CD-Commander
- CD PowerTools

CDJ-4008 External - PC **$649**

PD QUAD DRIVE
Two Drives in One

Smart and Friendly

- "2 in 1" rewritable 650MB rewritable optical disk & quad speed CD-Rom Drive...it's like a rewritable CD!
- Durable Media is not sensitive to electrical fields
- Complete Kit inc: TWO x PD 650MB rewritable discs, Adaptec SCSI adapter, Cables, Terminator & Manuals

PD-Quad Int - PC $749
PD-Quad Ext - PC/MAC $849
PD-650MB Media ONLY $59

U BEAUT CD Labelling Kit

- **Made in Australia for Australian conditions!**
- **50 sheets /150 *laser quality* A4-sized CD Labels** – no hand-feeding or juggling around involved!
- **Label Applicator – simple, easy-to-use** – your CD Labels go down perfectly, *dead centre, no worries!*
- **BONZA Library CD** – CD Labelling software Plus Australian Clip-Art, Templates for Word, Publisher PageMaker, CorelDRAW! and more. (value: $49!)

$79

U BEAUT CD Label Refills

- **50 sheets/150 *laser quality* CD-Rom Labels**
- **Easy-to-use A4 sheets** – no hand-feeding or peculiar oddball overseas sheet sizes
- **Available in CRISP WHITE or BRIGHT YELLOW**
- **PLUS! 3 extra labels for 3.5" floppies on each sheet**
- **Available in CRISP WHITE or BRIGHT YELLOW**

$49

PLUS! U BEAUT BONZA Library CD-Rom ... jam-packed with Australian Clip-Art, easy-to-use CD Label Creation Software, with samples & templates for all popular applications. PLUS ... CD Logo Clip-Art, Australian Postcode Database, working demos of our favorite apps and heaps more ...

$49

FREE! U BEAUT BONZA Library CD with ALL U BEAUT Products* valued at over $50

U BEAUT JAZ Kits

- **YES! This is the 100% Iomega JAZ drive now cased specially for U BEAUT Australia!**
- **FREE! 1GB JAZ media with every drive (value: $145!) & Bonza Library (value: $49!)**

Models	Prices
Int SCSI PC *or* Mac (specify)	$649
Ext SCSI PC *or* Mac (specify)	$749
Ext Parallel PC	$828
JAZ Jet PCI SCSI Host Adapter	$179
JAZ Traveller (converts ext SCSI to Parallel)	$79

JAZ 1GB Media (pc *or* mac) just **$145**

MO Drives • Magneto-Optical Technology

U Beaut Olympus SYS.230
- Cheaper media than Zip & double the size
- 230MB MO; Access 17ms; DTR to 2.4MB/s

Models	Prices
Int SCSI PC	$499
Ext SCSI PC *or* Mac	$649
Ext Parallel PC	$649
Media (PC or Mac) min 5	$19 ea

U Beaut Fujitsu DynaMO 640MB
- Same size as a CD...but rewritable!!
- 640MB MO; Access 35ms ; DTR to 3MB/s

Models	Prices
Int SCSI PC	$799
Ext SCSI PC *or* Mac	$999
Ext Parallel PC	$1198
Media (PC or Mac) min 3	$69 ea

U Beaut Philips 2.6GB MO
- Best Bang for Bucks! Less than 5c per MB!
- 2.6GB MO; Access 39ms; DTR to 4.65MB/s

Models	Prices
Int SCSI PC	$2799
Ext SCSI PC *or* Mac	$2999
Ext Parallel PC	$3198
Media (PC or Mac) min 3	$129 ea

U BEAUT VIDEO.comms KIT

See and talk to your FAMILY & FRIENDS overseas on the Internet!

Contents:
- Austel Approved 33.6K Data/Fax Modem (int or ext)
- Parallel Port B/W or Colour Videoconferencing Digital Camera
- Microphone
- Internet Phone v4.5 with Video (value: $65)
- Macromedia Backstage Designer Plus CD - web creation (value: $185)
- U Beaut Bonza Library CD-ROM (value: $45)

VIDEO.comms Kit - B&W Int Modem	$429
VIDEO.comms Kit - B&W Ext Modem	$449
VIDEO.comms Kit - Colour Int Modem	$579
VIDEO.comms Kit - Colour Int Modem	$599

LaserBaud

Direct Mail Multimedia Specialists

CELEBRATING SEVEN YEARS OF SERVICE

49-51 Ramsden St., Clifton Hill. VIC 3814
Tel: (03) 9482 3814
Fax: (03) 9482 3876 FaxBak: (03) 9481 8088
Internet: www.laserbaud.com.au
E-mail: web@laserbaud.com.au

CALL FOR YOUR FREE FULL COLOUR CATALOGUE

iomega ZIP Drive

Australia's all-time best-selling Removable Hard Drive

Media $22

Up to 5X FASTER than your floppy drive:
Access speed 29 msec • Data Transfer Rate 60MB/Min (SCSI version) • Typical throughput: 60MB/Min (SCSI) or 20MB/Min (Parallel)

Internal SCSI with FREE ADAPTEC AHA-1502 SCSI Adapter!

All Models $289

Available in... • Ext Parallel PC • Int SCSI PC • Ext SCSI PC/Mac •

ZIP Accessories

Zip Caddy $25

Zip Disk Media Traveler $29

Zip Deluxe Carry Case $59

Zip Battery $79

Zip Mini Carry Case $29

QUICKCAM COLOUR

$399

Captures full-screen (640X480) in 24-bit colour. Captures 24 frames per sec. (fps) at 160X120 or 10 fps at 320X240. Ideal for CU-SeeMe, AudioVision & VideoPhone (Specify PC or MAC)

QuickCam BLACK & WHITE

$199

Affordable Videoconferencing. Simply plugs into your parallel port. Broadcast video on the Internet or video conference with the amazing QuickCam. Capture frames or video with sound at 24 fps (Specify PC or MAC)

VideoPhone

The number 1 selling video-conferencing software. Allows users to see simultaneous live video of each other,talk and share a markup board. PC or Mac avail.

$99

AudioVision

Fastest Video-Conferencing over the Internet or by direct phone connection, plus whiteboard.

Special Twin-Pak Price- 2 copies of AudioVision PC version only

$159

pilot

The one-touch organiser

PRO Pak 100+ Free Programs

From $429

Shirt Pocket sized organiser for Windows. Unique pen recognition software allows you to enter data anywhere. Comes with a cradle to back up your data into your PC. Mac version also available.

Pilot 1000 PRO Pak	128K memory	$429
Pilot 5000 PRO Pak	512K memory	$499
Pilot 10000 PRO Pak	1MB memory	$599

EXCLUSIVE: Every PRO Pak comes with over 100 FREE programs

pilot Accessories

Spare Stylus 3 Pack	$15
Spare Pilot Cradle	$49
Pilot Modem Cable	$39
HotSync Cable	$39
Leather Belt Clip Case	$45
Slim Leather Carry Case	$45
Deluxe Leather Carry Case	$99
1MB Upgrade	$179
Pilot MacPac - connect to MAC	$39
IntelliSync sync to Organizer, Schedule+	$99
CodeWarrior for Pilot (MAC)	$399

PilotForms for Win 95 $129

Essential Pilot Software! Create Forms in Windows...download or upload simple databases to your Pilot. Quick access to price lists, spare parts, your book or CD collection...anything!

TIMEX DATA·LINK 150 WATCH

$249

Innovative PC compatible personal organiser - cum - wristwatch designed by Timex with software by Microsoft. Wireless data transfer from your PC screen to the DataLink. Directly supported by Schedule+ & Outlook 97 in MS Office. Fully Windows 3.x, Win95 and NT 4.0 support.

New Products

Ladies DataLink

All the same great features as the Gents 150 (left) but with a smaller Mid-Size watch.

$249

Laptop Adapter $59

Transfer Data from your Laptop or Notebook Computer to your Timex DataLink 150

WACOM ArtPad II

$279

The Wacom ArtPad II Graphic Tablet - the most natural, intuitive method available when you need to draw, paint or manipulate graphics on your computer. Available for PC & Mac

REDEye InfraRed Adaptor

The most convenient and economical InfraRed Adapter available

$69

Network any two computers running Win95, perfect for Laptops, Notebooks etc. Totally wireless data transfer between any device with InfraRed support.

Snappy Video Snapshot - PAL

$399

Perfect Video Stills From Any Source:

• Captures an amazing 1500x1125 • Australian PAL Version 2.0 • Twain Compliant • Saves in all Popular Graphics Formats • All Software, Cables & Documentation PLUS 2 CD Bundled inc: • Adobe PhotoDeluxe • Kai's Power Goo SE • Gryphon Morph 2.5 • HEY! Even the Batteries are included • Supports Win 3.1/95/NT • Plug SNAPPY into your Parallel Port & GO!!!

LS-120 3½" 120MB FDD

Replace your a: drive

• 80 times the capacity & 5 times the speed of 1.44MB floppy drives • Reads and writes 1.44MB & 720KB Floppies!! • Fast 4MB/sec transfer rate

LS-120 FLOPPYMAX CONTROLLER $69
Bootable EIDE controller for LS-120 - with BIOS

LS-120 3.5" Disks 120MB $29 (min order 5)

SyQuest SyJet 1.5 GB

DUAL PLATTER REMOVABLE HARD DRIVE

Internal	SCSI/EIDE PC	$699
External	SCSI PC/Mac	$899
External	Parallel PC	$899
Cartridges	1.5 GB media	$155

Apex 4.6 GB

HUGE REMOVABLE, OPTICAL HARD DRIVE

PCI Int PC	$2799
Ext SCSI PC	$2799
Ext SCSI Mac	$2799
Ext Parallel	$2998

Media: 5.½" 4.6 GB cartridge $349ea

Premium CD-R Media
Premium Gold/Gold or Platinum Media $11.95* *Min Buy -10

BUDGET CD-R MEDIA
Cheapest High Quality CD-R Media in Aust. $9.95* *Min Buy -20

3½" HD Floppies
Top Quality PC Formatted Full Warranty. Labels Inc. 100 Disks $60

CD Jewel Cases
Top Quality Single or Double Case 40c ea 75c ea

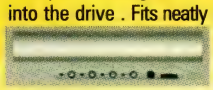
CD Caddies
Suits all major brands Top Quality, Made in USA $9.50 each

CD Lens Cleaner
Prolong the life of your CD Lens & Drive $14.95

JUKEBOXES Multi-CD CD-Rom Drives

6 Spin 4-CD Internal EIDE

Caddyless loading; Insert CD's directly into the drive . Fits neatly into 5.½" slot!



$249 UNBEATABLE!

10 Spin 5-CD JukeBox Internal EIDE

Winner of the Best CD Drive of 1996 by PC Computing FASTEST 10X! For the GURU in YOU!

$499

8 Spin 4-CD Jukebox - Internal SCSI

Super-fast, new generation jukebox takes only minutes to install! No clumsy magazines or caddies!!!

$349 OUTSTANDING!

4 Spin 7-CD Jukebox External SCSI $649

Over 4.5GB online!!! Hassle-free push-button loading – *no caddies!* Works under DOS, OS/2, Win 3.1/95/NT & MAC.

SCAN

WHEN IT COMES TO SCANNERS, COME TO PROSCAN.

If you're looking for a scanner, you'll be pleased to know they're now cheaper than ever before. And, yes, there is one company that actually specialises in scanners and their many applications. That company is PROSCAN; a leading distributor and specialist in Scanning, OCR and Document Imaging. PROSCAN can offer you the widest range of scanners, plus easy-to-understand scanner selection and sample scan kits, to help you choose the scanner that's right for you.

BRING IT ALIVE WITH COLOUR!

Nothing brings a newsletter to life like full colour. And whether you have to scan photos, brochures or slides, PROSCAN has a scanner for you.

Get your publishing into top gear with action colour that gets response!

DESKTOP PUBLISHING. Scan your logos and photos in full colour for maximum impact in your documents, newsletters, price lists or brochures. PROSCAN has a wide range of flatbed and slide scanners, for virtually all your desktop scanning needs. And all our scanners can be ordered with a leading PC or Mac imaging program (like Adobe Photoshop), so you can retouch images, change colours, create special effects and more!

CAPTURE TEXT 20 TIMES FASTER!

OPTICAL CHARACTER RECOGNITION (OCR). OCR software saves you time and money! Simply scan a page of typed text and the software converts it into a word processor document. The text can then be easily edited or re-formatted to suit your needs. OCR can be 10-20 times faster than re-typing and PROSCAN can offer you the widest range of OCR solutions. Call now.

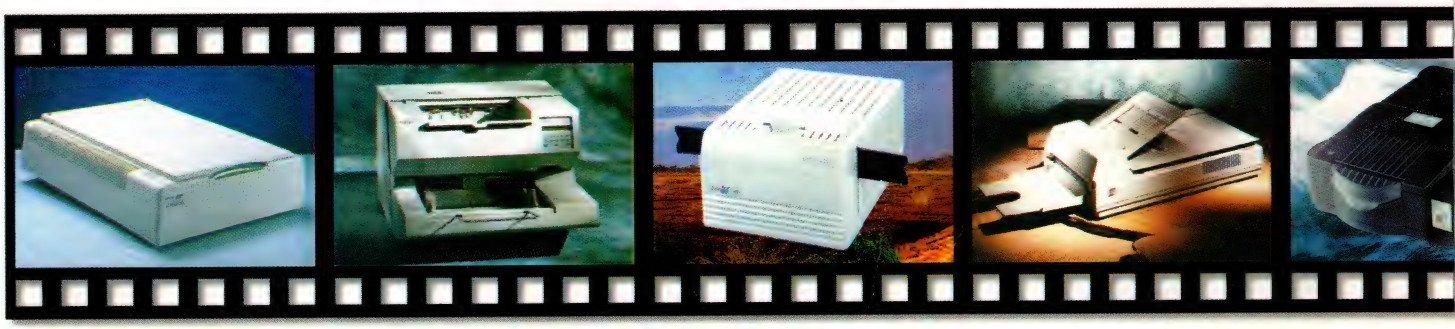
PRESENTATIONS. It's a competitive world. And well designed colour can dramatically improve the effectiveness of a presentation. So why not improve your presentations with scanned images from a PROSCAN scanner?

IMPROVE YOUR PRESENTATION!

DOCUMENT IMAGING. Improve and modernise your filing system with a Document Imaging system. Scanned documents can be shared, stored in several locations, re-faxed or re-printed, and easily retrieved at your convenience.

FAX/COPY. Scan directly to a printer, fax or modem. This is particularly ideal for home users or to complement a fax card.

INTERNET INPUT. Scan images for internet publication or to e-mail to friends.



NERS

BUSINESS USERS. PROSCAN offers fast single pass colour flatbed scanners, priced under $1500, bundled with a full version of Adobe Photoshop. Optional document feeders are also available. If you have mountains of paper, our high speed document scanners handle up to 55 pages per minute! We also have the widest choice of OCR software and can advise you on choosing the best package to meet your requirements.

PROFESSIONAL USERS. PROSCAN offers some of the world's leading scanners. Available in 24, 30, 36 and 42 bit colour, with true optical resolutions up to 4800 dpi, these units now compete with drum scanners. All models are available with optional transparency units to scan your slides and negatives. We also distribute a range of dedicated slide and transparency scanners.

CUT OUT WASTEFUL RETYPING & SAVE!

PROSCAN offers some of the world's most critically acclaimed flatbed scanners. The Microtek ScanMaker3 36 bit colour flatbed shown above has earnt rave reviews in all the major computer magazines. Gene Gable, Editor of Publish magazine, dubbed the ScanMaker3; "...the new flatbed to beat.".

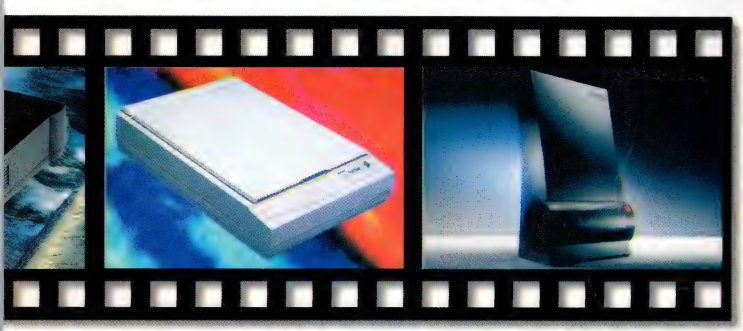
HOME USERS. PROSCAN's colour flatbed scanners for the home start from a remarkably affordable $499, including software for image editing, OCR and Scan/Copy. So, for under $500, you no longer have to settle for a hand scanner. You can now have a scanner that will handle almost any type of document, including A4 pages, books, colour prints and more!

SCANNERS FROM JUST $499!

SEND FOR THE KIT. PROSCAN has produced a Scanner Information Kit to help you select your scanner, including sample scans and a scanner selection guide. Post the coupon or call the PROSCAN Hotline now: **1 800 654 930**

SEND FOR OUR FREE SCANNER SELECTION & SAMPLES KIT!

All trademarks are the property of their respective owners. PROSCAN Australia Pty. Limited.
Phone: (02) 9904 1244.
Fax: (02) 9904 1099.
Internet: www.proscan.com.au
DEALER ENQUIRIES WELCOME



PROSCAN®

AUSTRALIA

[ ] **YES! Send me your obligation-free Scanner Information Kit.**
[ ] **Please call me and advise the name of a dealer near me.**

Name _____

Company _____

Address _____

_____ State _____ P/Code _____

Telephone _____

Facsimile _____

Post this coupon to: PROSCAN Australia, Reply Paid XXX40, P.O. Box 700, Neutral Bay NSW 2089. *(No stamp necessary).*

Taking the stress out of MATHS and SCIENCE

Are you worried about years 11 and 12?

Suddenly there is much more to learn than ever before and your future depends on your performance in school.

One of the big changes is that exams cover a whole semester or year of work. This means developing new study skills and also identifying what you need to learn.

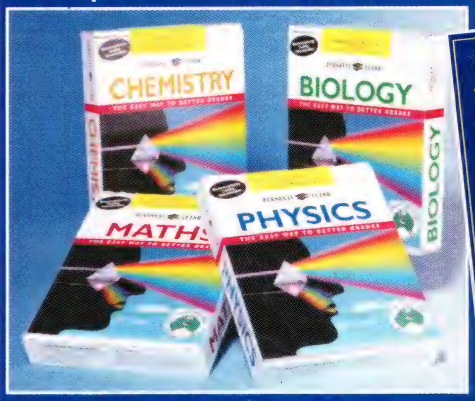
"Personal Tutor" courses are especially written to help Australian students cope with year 11 and 12. Each package relates to an entire 1 or 2 year course of study in Maths, Biology, Chemistry and Physics.

The programs can be used throughout the year, to reinforce class-work, or can be used as a revision tool before major exams.

Working on Personal Tutor, not only helps you to understand what you are doing but has revision features that help to absorb and retain the work in long-term memory.

Personal Tutor even identifies your knowledge gaps and designs a revision program especially to fit your needs.

Although Personal Tutor is designed for home use, without teacher support, the software is now becoming well established in school computer rooms.



Australian Made for Australian Students.

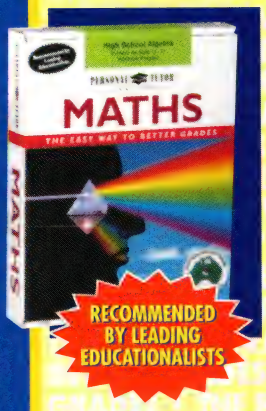
Complete courses written to syllabus.

Help with home study whenever you need it.

Available from computer stores and bookshops.

Interactive tuition software.

BEATING THE MATHS BOGEY



Can you help your kid with maths? If you can't or you don't have the time or patience, the solution to your problems could be the Personal Tutor High School Maths program (suitable for ages 12-17).

This is a unique interactive tuition software on Windows and especially written to teach Australian High School students what they need to know about maths.

Personal Tutor High School Maths is an extensive course which develops mathematical skills throughout the high school years. This is a complete teaching system - no extra help is needed.

The program concentrates on problem solving with a lot of help. You are taught course material through an interactive process of short teaching screens linked with questions.

There are simple explanations, clear diagrams and highlighted formulae.

Every question comes with a lot of help and each problem has a step-by-step solution in case of difficulty. You can take as many steps as you need - just like a having a home tutor to help you.

The program also features easy-to-use exam preparation and a personalised revision program.

Personal Tutor High School Maths costs $275 (less than $2 per lesson) and runs on any IBM (386 or higher) compatible computer using windows 3.1 or higher.

PERSONAL TUTOR

BY MEMORY BANKS

THE EASY WAY TO BETTER GRADES

Phone now for your FREE catalogue and demo disk

Freecall 1800 622 657 (1800 MBANKS) or fax: 03 9770 1402

Memory Banks Pty. Ltd. PO Box 1153, Frankston VIC 3199

Modem Superstore™

You get a wider choice and the best advice

ULTRA Cool!! SPEAKERPHONE

- **Voice**
- **Fax**
- **Data**

- High Speed Data up to 33,600bps
- Ideal for Home or Office
- Unique Faxswitching Technology
- Supports Telstra's FaxStream duet - distinctive ring
- Australia-wide Support
- Lifetime Warranty
- Integrated Communications
  - Answering Machine
  - Hands-free Speakerphone
  - Simultaneous Voice and Data

NetComm®

Package includes headset with boom microphone.

Now only $325

AM3470

$ave

FastCardPlus

- V.34 33,600bps
- Fax/Data modem
- Win95 P'n'P Internal
- 1800 Toll Free Support
- 5yr Hardware Warranty
- Includes Fax, Data, and Internet Software

Dynalink MODEMS

$159

1433VQH

You Asked! - NetComm Delivered

Memory Modem

Stores faxes & phone messages even with your PC turned off!

- 33.6K Data & 14.4K Fax
- 16 bit Technology
- Flash Upgradeable
- FREE Lifetime Customer Support

$499

AM3440

Banksia · SPIRIT · AVTEK DATA COMMUNICATIONS · USRobotics · Hayes · NetComm® · Dynalink MODEMS

Showcase - New & Cool

The First Unofficial Aussie Pilot Site

Site: http://plaza.www.com.au/pilot

The UnOfficial Aussie Pilot Web Site.

The First Aussie Information source for the USR Pilot.

Simply the most useful thing you will ever own!

Suggestions email - fun@modemsuperstore.com.au

May Tech Tip

If you're running Internet Explorer 3.0 or 3.01a for Windows 95 or NT 4.0, and concerned about security issues then you can now download the latest code fix for the security breach discovered recently. For more details and to download the code fix, visit the IE security update page at: http://www.microsoft.com/ie/security/update.htm

MasterCard · VISA · eftpos

Modem Superstore Your 7 Day Money Back Guarantee of Service

http://www.modemsuperstore.com.au

- QLD Call: (07) 3236 2366
- NSW Call: (02) 9743 2133

26 Cabarita Road Concord NSW 2137
Fax: (02) 9736 3862

- VIC Call: (03) 9899 4744

167 Middleborough Rd. Box Hill South VIC. 3128
Fax: (03) 9897 3939 - BBS: (03) 9899 4733

For all your Internet needs

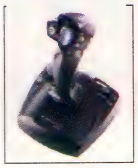
All Registered Trademarks and names belong to their various registered owners. Prices subject to change without notice. E. & O. E.

LM0697

Computer affair

At Computer Affair you can expect the highest quality computer systems and customer service.

Logic 3 - The Logical Choice



Logic 3 Amiga Mouse	$49
Logic 3 PC Mice from	$30
Joysticks & Pads from	$30
PC Terminator Joystick	$89
Headset with Mice from	$29
Super Woofer 400W	$379

AMIGA

Amiga Computers and Software

We still continue to support the Amiga computer and can offer hardware service, upgrades and software sales.

Storage Solutions

ZIP Drive SCSI 100MB $299

Zip 100Mb Disk (Mac/PC) .. $26

Our computer systems are assembled by skilled technicians using only superior brand name components that have been chosen for their exceptional quality and reliability.

Let us tailor make a solution to suit your budget and needs.

Apollo 120 System

Intel **Pentium 120**Mhz CPU
GA Triton VXChip Set Motherboard ,
256K **Pipeline Burst** Cache, **EDO ready**,
Onboard E-IDE **Bus Mastering**, Fast I/O
16MB EDO Ram
1.2GB Fast ATA-2 E-IDE Hard Drive
Sony 3.5" 1.44MB Floppy Drive
Legend 64Bit Video 1MB Graphics Card
Goldstar 1468 Digital 14" Monitor
Windows95 Keyboard, Mouse & MMat
Diamond Mini Tower & Windows 95

Quality System .. $1599

P133 $1650 P150 $1699
P166 $1950 P200 $2350

Designer Series

The Apollo System
Perfect for beginners or simply those on a budget who do not want to compromise on quality.

The Nova System
Perfect for seasoned computer users or simply those who do not want to compromise on performance.

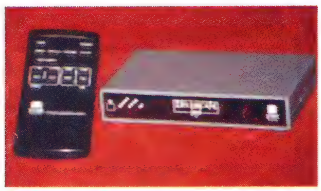
The SuperNova System
For the connoiseur or simply those who do not want to compromise.

The Discovery System
For the student or the Internet Astronaut

The Director System
For those wanting to produce and edit their own home videos.

New miro 3D Games Kits with 3D Glasses

Genlocks & Video Encoders



Amiga & Mac Genlock Connection Kits available.

DeltaScan Pal Encoder
Computer to Video convertor ideal for presentations. Composite/YC.

DeltaScan	**(800x600)**	**$560**
DeltaScan Pro	**(1600x1200)**	**$875**

MultiGen Genlocks
Overlay computer images on video.

MultiGen2	**(800x600)**	**$695**
MultiGen Pro	**(1600x1200)**	**$1140**

Smart & Friendly CD-Rs

A complete solution for CD-Recording. Includes interface card, software & cables to make CD Writing a breeze. Available for either PC (internal or external) or Mac.

CDR2006 6xRead 2xWrite (Intern)	$699
CDR2006 (External Model)	$849
CDR4006 6x Read 4xWrite (Intern)	$1675
CDR4006 6xR4xW (External)	$1850
MacroMedia Director 5 Software	$Call

Desktop Video

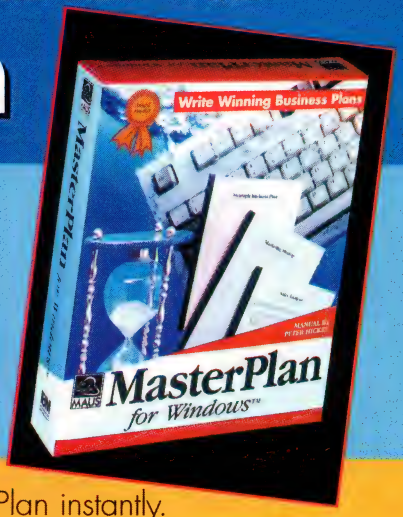
miro Video Mouse/Jog Shuttle	$795	Buster TV Tuner/MPEG Card	$499
miro DC-10 Video Capture	$695	Video Director Suite	$249
miro DC-20 Video Capture	$1350	Aver Video Editor Suite	$699
miro DC-30 Video Capture	$2280	Broadway II MPEG encoder	$1599
Media Studio Pro v2 Upgrade	$265	PhotoImpact 3.0 for PC	$199

337 Penshurst St
Willoughby 2068
Tel: 02-9417-5155
Fax: 02-9417-5542

We provide solutions on Amiga, Mac and IBM Compatible platforms. Hours: Mon-Fri 9:30-18:00 Sat 9:30-13:00

*** Visit our home page: www.computeraffair.com.au or email: sales@computeraffair.com.au

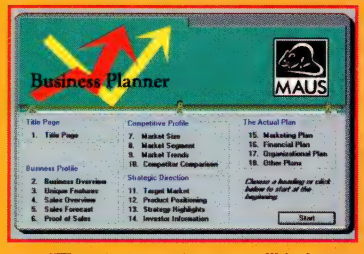
Save 50-90% of the time to prepare a Business Plan



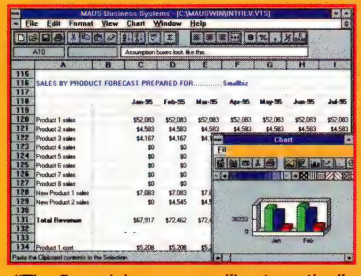
...Key Benefits

- Creates complete Business Plans
- Simple Question & Answer format
- Creates complete set of Financials

MasterPlan is designed for people who need a Business Plan instantly. Its simple language reinforces its userfriendliness, explaining every process. A step-by-step question and answer format enables you to construct full financials, text and graphics at the mere click of a mouse button. **MAUS** will also easily instruct you how to analyse and develop your business.



"The strategy program will help you write the text of your plan"



"The financial program will automatically calculate all your budgets & graphs"

Software from $129

Business Planning Breakthrough

The software's comprehensive workbook is Australian written and tested, being widely used in tertiary educational institutions and training courses. Topics include Sales Analysis, Market Analysis, Benefit Analysis, SWOT Analysis, Marketing Plan, Financial Plan, and much more. It has been designed for maximum ease of use.

Awards Finalist
Channel 9 Small Business Show

The free Windows Spreadsheet program lets you type in your key expense and sales assumptions in the financial program, instantly updating all your budgets, cash flow and forecasts, complete with graphs.

Set up a Business Planning Consultancy

Ask about the "Consultant's Guide to Business Planning"- the software package that gives you the forms and tools to establish a Business Planning Consultancy overnight.

"They laughed when I told them I doubled my business in '97"

MAUS

MAUS Business Systems, level 1, 8 West St. North Sydney 2060.

Ph (02) 9957 3827

Fax (02) 9925 0257

7 DAY PURCHASE TRIAL AVAILABLE
PHONE FAX OR MAIL THIS COUPON FOR A FREE INFORMATION KIT

Name _____

Company _____

Address _____

_____ State _____ Postcode _____

Phone _____ Fax _____

PCU

RITRON CLASSIC

The ideal system for today's power-hungry users...

16/32* MEG RAM WOW!

★ **BONUS 7 FREE CD SOFTWARE TITLES: For Windows 95:** Microsoft- Works & Money/ Encarta 97/Golf /CD Sampler / Cinemania 97 /3D Movie Maker /Scenes on disk and Yellow & White Pages on CD-ROM

★ **20 Megabytes FREE** SHAREWARE GAMES

- ★ **16x-Speed CD-ROM drive**
- ★ **16/32* MEG** FAST EDO RAM **Pentium Pro's come with 32Mb of RAM*
- ★ **Latest 430 VX M.B.** (256K pipeline cache/Upgradable to 200Mhz cpu) $20 extra for 512K cache M.B. - *does not apply to Pentium Pros* **- 430 HX M.B. $30 extra**
- ★ **New 2 MEG Diamond Stealth 3D Virge Chipset Card**
- ★ **15" XGA Digital Mon-**1280 x 1024 0.28mm D.P. Low radiation
- ★ **1.44 3.5" F.D.D.**
- ★ **Genuine Microsoft Ergonomic Mouse**
- ★ **Ritron Mouse Pad** ★ **Joystick**
- ★ **Windows 95 104 Keyboard**
- ★ **2.1 GIGABYTE HDD**
- ★ **16-bit Sound Card -SB compatible**
- ★ **Magnetic Shielded Speakers**
- ★ **Windows 95 on CD** (DOS & Windows 3.11 for Workgroup available on request)
- ★ **We install Vet OEM Antivirus software** $99 of bonus value

CPU CHOICES	TAX EX	TAX INC
k5-100	$1570	$1795
6x86-120/150P	$1620	$1865
6x86-133/166P	$1650	$1895
6x86-200P	$1760	$1990
Pentium™ 100	$1580	$1815
Pentium™ 120	$1630	$1865
Pentium™ 133	$1670	$1910
Pentium™ 150	$1710	$1975
Pentium™ 166	$1870	$2150
Pentium™ 166 MMX	$1950	$2250
Pentium™ Pro 150	$2300	$2650
Pentium™ Pro 180	$2550	$2895
Pentium™ Pro 200	$2750	$3100

Pentium Pro's come with 32Meg of Ram as standard with ATX style case and power supply. All Pentium™ Motherboards come fitted with 256K Pipeline Cache.

100 Hours Free Internet Access From rie.net.au - *When modem & system are purchased together. Conditions Apply*

★ **NOW COMES WITH FREE** MS Windows 95 CD tutorial

FREE HOME DELIVERY & SETUP- MELBOURNE METRO AREA ONLY

***3 HOUR FREE TRAINING COURSE** Windows 95 OR Internet Training Classes available*

4 YEAR PARTS & LABOUR WARRANTY

(FIRST 2 YEAR ON-SITE) MELB MET AREA Manufacturer's Warranty apply on monitor.

ADD MORE MEMORY, POWER, AND HDD SPACE TO YOUR SYSTEM

MEMORY	1-9	10+
1M 30 pin	$19	$17
4M 30 pin	$59	$55
4M 72 pin	$45	$43
4M 72 pin EDO	$45	$43
8M 72 pin	$75	$69
8M 72 pin EDO	$75	$69
16M 72 pin	$159	$155
16M 72 pin EDO	$159	$155
32M 72 pin	$289	$279
32M 72 pin EDO	$289	$279

MULTIMEDIA UPGRADE KIT

Octal-Speed **$299**
10x-Speed **$329**
12x-Speed **$339**
16x-Speed **$379**

With easy-to-follow installation instructions. All CD-ROM drives are Kodak PhotoCD® compatible. •16-bit Sound Card •Stereo Speakers •Software titles: **For Windows 95:** Microsoft- Encarta'97/Works & Money/ Golf/ CD Sampler/ Cinemania 97/ 3D Movie Maker and Scenes on disk. ***ALL NEW!!***

CD ROM DRIVES

- ***8X-SPEED*** *CD ROM DRIVE* $159
- ***10X-SPEED*** *CD ROM DRIVE* $169
- ***12X-SPEED*** *CD ROM DRIVE* $179
- ***16X-SPEED*** *CD ROM DRIVE* $209
- ***8X-SPEED*** *SCSI CD ROM DRIVE* $339

SUPA MOTHERBOARD UPGRADES

CPU	*M.B.	Both Together
AMD K5-100 ..	$119	$155 $269
AMD K5-133 ..	$199	$155 $319
6x86-120/150P ..	$179	$155 $309
6x86-133/166P ..	$259	$155 $399
6x86-200P*	$369	$189 $549

**512K Cache Motherboard*

- PENTIUM™ 100MHz@ PCI/ISA $309
- PENTIUM™ 120MHz@ PCI/ISA $339
- PENTIUM™ 133MHz@ PCI/ISA $409
- PENTIUM™ 150MHz@ PCI/ISA $449
- PENTIUM™ 166MHz@ PCI/ISA $649
- PENTIUM™ 166MHz@ MMX *NEW!* $749
- PENTIUM™ Pro 150MHz@ PCI/ISA $895
- PENTIUM™ Pro 200MHz@ PCI/ISA *NEW!* .. $1295

$50 installation charge includes free VET antivirus software. Come with I/O fitted on motherboard. All Pentium & 6x86 motherboards come with 256k pipeline cache (Pentium™ Pro requires AXT Case & Power Supply.)

HARD DRIVES *Voice Coil IDE HD*

Capacity	Av.Access	Tax Ex.	Tax Inc.
630M	12ms	$205	$249
1.08GB	12ms	$240	$293
1.27GB	10ms	$245	$299
1.6GB	10ms	$259	$315
2.1GB *IDE HD*	10ms	$285	$347
2.5GB *IDE HD*	10ms	$360	$439
3.2GB *IDE HD*	10ms	$410	$499
5GB *IDE HD*	10ms	$595	$725

FAST SCSI 3.5" HARD DISK DRIVES SPECIALS

2.1GB *SCSI 2 HD*	SPECIAL	$495	$599
3.2GB *SCSI 2 HD*	SPECIAL	$570	$689
4.2GB *SCSI 2 HD*	SPECIAL	$1495	$1800

ALL NEW PRODUCTS & GREAT SPECIALS

Plustek OpticPro 4800p

24-BIT 16.8 MILLION COLOUR *SINGLE-PASS* FLATBED SCANNER *600 dpi resolution*

NEW

X19912 **$327** TAX EX

$379 TAX INC

- 24-bit, 16.8 Million colours
- 600dpi, 4800 dpi interpolated
- A4 scanning area
- Parallel port, no jumpers to fiddle with!
- Software included for Optical Character Recognition (OCR) photo editing and multifunction document processing such as faxing and copying

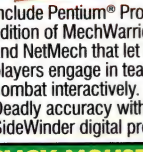
PLEASE LOGON TO- http://www.rie.net.au for full specs for this scanner.

SIDEWINDER 3D PRO

BACK IN STOCK!!! C14290 **$109**

Include Pentium® Processor edition of MechWarrior 2 CD and NetMech that let up to 8 players engage in team combat interactively. Deadly accuracy with the SideWinder digital precision.

MechWarrior 2 & NetMech on one CD!



MONITOR RANGE

All on display at all Stores

- **14" N.I.** 1024x768 (0.28mm D.P.)**Full Scan** . $299
- **15" XGA Digital** Low Radiation1280x1024 ... $409
- **15" XGA Digital** OSD1280x1024 ..... $449
- **17" XGA Digital MPRII** 1280x1024 $895
- **17" XGA Digital MPRII** 1600x1280 (0.26mm Dot Pitch) $1395
- **20" XGA Digital MPRII** *NEW!* $1999
- **21" XGA FLAT SCREEN** *NEW!* $2795

OSD- On Screen Display
See our web site- http://www.rie.net.au for full specifications

CLICK MOUSE

- Dynamic & fast tracking
- Opto-mechanical encoder

1-9 **$9.95** 10+ **$8.95**

JOYSTICK

- Ultra-sensitive fire button
- Turbo & manual switch
- 5 ft cord

1-9 **$17.95** 10+ **$16.95**

A4 LAMINATOR

LATEST A4 SIZE LAMINATOR

you can protect and preserve your favourite documents **- up to A4 size,** business cards, recipes, membership cards, photos and other types of paper thin objects in a waterproof, airtight seal. **$179** A91101

A91118 216 x 303mm (A4) **$89.00** PKT100
A91119 216 x 303mm (A4) **$12.95** PKT10

Microsoft Office 97

ALL BRAND NEW!

- **MS PowerPoint 97**
- **MS Outlook 97** • **MS Excel 97**
- **MS Access 97** • **MS World 97**

***PLUS* 50 hours FREE Internet Access** - (Conditions Apply)

- **Full Version** $685
- **Professional Upgrade** $439
- **Standard Upgrade** $339

**MS Access is not included in the Standard Upgrade version*

IOMEGA ZIP DRIVE

THE AFFORDABLE PERSONAL STORAGE SOLUTION

- 100MB Zip disks hold all your stuff • Are inexpensive, reliable and ready to help you get organized
- Use as many disks as you need

Av Seek Time: 29msec

Available for IBM and Mac

Parallel Port version only C11900 **$289**

100MB ZIP DISK C11904 1+ $24 10+ $22

MONITOR SPLITTERS

4 WAY MONITOR SPLITTER X19167 **$275**
Connect 4 VGA monitors to 1 computer. Great for seminars, presentations, and schools.

8 WAY MONITOR SPLITTER X19165 **$399**
Connect 8 VGA monitors to 1 computer. Simultaneous display.

HOT SPECIALS

MODEM SALE

33.6K bps Internal	$149
33.6K bps External	$159
33.6K bps Int. Voice/Fax modem	$169
33.6K bps Ext. Voice/Fax modem	$189

All Modems Austel Approved
50 hours FREE Internet access when you purchase your modem from us! (Ask for Conditions)

SAVE! SAVE! SAVE!

5¼ H.D FLOPPY DISKS
1-9 .... **$3.50** 10+ **$2.95**
3.5" NO NAME BRAND HIGH DENSITY DISKS IN PACK OF 10s
1-9 .... **$4.95** 10+ **$4.75**

ALL NEW SOUND BLASTER RANGE:

X17348 SB 16 Value PnP/3D Sound	$159
X17350 SB 32 Pnp/3D Sound	$249
X17392 SB Value CD16/8x-*Octal*	$429
X17354 SB Performance CD32/8x-17	$499
X17404 SB AWE64/3D Sound	$279
X17364 SB Discovery CD32/Hex-Speed	$499
X17368 PCMIA 4x CD-ROM Upgrade Kit	$479
X17396 OEM PnP Vibra 16 with IDE	$109
X17394 OEM PnP Vibra 16 without IDE	$99
X17382 CD-Rom Writer 4210	$769

RITRON COMPUTER SYSTEMS

CPU TYPE (*External 256K Cache)	TAX EX	TAX INC
K5-100	$960	$1171
K5-133	$1020	$1244
6x86-120/150P	$1010	$1240
6x86-133/166P	$1060	$1310
6x86-200P	$1190	$1490
Pentium™ 100*	$1010	$1230
Pentium™ 120	$1040	$1265
Pentium™ 133	$1085	$1320
Pentium™ 150	$1120	$1365
Pentium™ 166	$1280	$1595
Pentium™ 166MMX	$1390	$1690
Pentium™ Pro 150	$1550	$1891
Pentium™ Pro 180	$1900	$2318
Pentium™ Pro 200	$2050	$2500

8 MEG RAM • 1.2 GIG H.D.D.-*GREAT VALUE!* • 1.44 MEG 3.5 FDD • Mini or Baby AT casing • 2 SPG Ports • 104 Keyboard • 14" SUPER VGA (1024 X 768) (0.28" DOT PITCH) Colour Monitor • Systems now fitted with PCI video cards - Better performance value for the same price. • *16M of RAM, ATX case & P.S. for Pentium Pro system*

***FREE 3 HOUR** TRAINING COURSE (MELB. ONLY) FOR ALL COMPUTER SYSTEMS INCLUDING MULTIMEDIA SYSTEMS*

4 YEAR SYSTEM WARRANTY
Manufacturer's Warranty apply for Monitor
3 Months Consumables Warranty

rie ROD IRVING ELECTRONICS PTY LTD

ESTABLISHED SINCE 1977. 100% AUSTRALIAN OWNED A.C.N. 005 428 437

HEAD OFFICE: 56 Renver Rd Clayton, Victoria, 3168 Ph: **(03) 9543 7877**

MELB CITY STORE: 48 A'Beckett St. City. Ph:**(03) 9663 6151.** Fax (03) 9639 1641 *Open 9am-8pm on Fridays.*

NORTHCOTE: 423 High St. Ph: **(03) 9489 8866** Fax:(03) 9489 8131

BOX HILL: 1031 Maroondah Hwy. Ph: **(03) 9899 6033** Fax:(03) 9899 0156 *Open 9am-3pm on Saturdays.*

VERMONT: 190 Rooks Rd. Ph: **(03) 9874 8888** Fax:(03) 9874 2288

OAKLEIGH: 240C Huntingdale Rd. Ph: **(03) 9562 8939** Fax:(03) 9562 8940

BLUESTAR COMPUTERS:

RINGWOOD 271 Maroondah Hwy. **Ph: (03) 9870 1800** Fax:(03) 9879 3027 TRADING HOURS: Mon/Fri 9am - 5.30pm.Sat 9am - 1pm

SPRINGVALE NORTH 899 Springvale Rd, **Ph.(03) 9574 6699** Fax.(03) 9574 6633

ADELAIDE: 241 Wright St. **Ph: (08) 8211 7200** Fax:(08) 82117273
SYDNEY: 74 Parramatta Rd, Stanmore. **Ph: (02) 9519 3888** Fax:(02) 9516 5024

MAIL ORDER: Ph:**(03) 9543 7877** Fax:(03) 9543 8295
Tax Exempt sales:
RITRONICS WHOLESALE Ph.**(03) 9543 2166** Fax.(03)9543 2648
RIE BULLETIN BOARD Ph: (03) 9562 7877 For Specials, info & Shareware
World Wide Web Site: http://www.rie.net.au
E-MAIL: rie@rie.net.au
Mail Order Hotline 1-800 33 5757

Serving Australia-wide

ERRORS & OMISSIONS EXCEPTED. PRICING CHANGE WITHOUT NOTICE.

MAGAD597

QUALITY AT AFFORDABLE PRICES ...

FOR ALL YOUR COMPUTER HARDWARE AND SOFTWARE NEEDS

Magnum Pentium MMX 200

- 512KB Secondary Cache
- 32MB RAM
- 1.44MB Floppy Disk Drive
- 2.5GB Enhanced IDE Hard Disk
- 2MB 3D Accelerator Video Card
- 15" Non-Interlaced SVGA Monitor
- 12 Speed CD-ROM Drive
- SoundBlaster 16 Sound Card
- Stereo Speakers
- 104 Key Windows 95 Keyboard, Mouse And Pad,
- Mini Tower / Desktop Case

brother MFC 9500

7 Functions in one :-

- Fax
- Phone
- 600 dpi Laser Printer
- 600 dpi Scanner
- Copier
- PC Fax
- Message Centre

brother HL-730 Laser Printer

True 600 DPI
6 Pages Per Minute
Straight Paper Path
Superfast Warm-Up
"2 pages in 1" printing
Automatic Power Save Mode
Automatic Emulation Switching

Introducing Epson's

Stylus Color 400
Up to 720 x 720 dpi
4ppm Black, 3ppm Colour
Windows compatible

Stylus Color 600
Up to 1440 x 720 dpi
6ppm Black, 4ppm Colour
Windows & Mac compatible

Stylus Color 800
Up to 1440 x 720 dpi
8ppm Black, 7ppm Colour
With Postscript Option
Windows & Mac compatible

Mobile Data And Fax

Your key to a world of communication and information

DATA
E-mail
Remote Disc LAN / PC
Internet
Databases
File Transfer (EDI)
Mail Distribution Services

FAX
Send / Receive (individual & group transmissions)
Print out
Fax back services
Optical Character Recognition

TELEPHONY
Ordinary phone services
Phone manager

SMS
(Short Message Services)
Send / Receive (also group transmissions)
Information services (stock reports, news, weather forecasts, banking)
Message dispatches

Hi-Q Computers

KOGARAH
670 Princes Highway
Tel: (02) 9588 1188
Fax: (02) 9588 7121

KINGSFORD
277 Anzac Parade
Tel: (02) 9313 8811
Fax: (02) 9313 7165

SYDNEY UNI
L3, Wentworth Building
Tel: (02) 9692 9712
Fax: (02) 9692 9732

Service Advice & the Right Price * Service Advice & the Right Price * Service Advice & the Right Price

TAX TIME IS NEARLY HERE, GET IN NOW TO SECURE YOUR RETURN!

MS OFFICE 97 SUPER SPECIALS $339.95!*

THE ABOVE PRICE IS FOR MS OFFICE 97 STD U/G

MS OFFICE 97 PRO U/G $449.95

MS OFFICE 97 PRO U/G INC. INTELLIMOUSE $469.95

ADD $10 FOR HARVARD GRAPHICS TO LEGALLY UPGRADE THE ABOVE!

MICROSOFT PRODUCTIVITY

MS OFFICE 97 DEV TOOLKIT	$1099.95
MS OFFICE 97 PRO INC INTELLIMOUSE	$ 469.95
MS OFFICE 97 PRO	$ 449.95
MS OFFICE 97 STD	$ 339.95
MS OFFICE 4.2 3.5 C/G	$ 349.95
MS OFFICE 4.3 3.5 C/G	$ 459.95
MS ACCESS 97 C/G	$ 149.95
MS ENCARTA 97	$ 59.95
MS ENCARTA WLD ATLAS 97	$ 69.95
MS MAIL REMOTE	$ 189.95
MS OUTLOOK 97 CD FULL	$ 149.95
MS PUBLISHER 97 CD FULL	$ 99.95
MS PUBLISHER 97 CD U/G	$ 79.95
MS POWERPOINT 97 U/G	$ 149.95
MS PROJECT 95	$ 629.95
MS TEAM MANAGER 97	$ 589.95
MS VISUAL BASIC 5 PRO U/G	$ 349.95
MS VISUAL BASIC 5 PRO FULL	$ 669.95
MS VISUAL C++ PRO 5	$ 689.95
MS VISUAL C++ PRO 5 U/G	$ 339.95
MS VISUAL J++ 1.0	$ 119.95
MS VISUAL STUDIO PRO 97	$1399.95
MS WORD 97 U/G	$ 149.95
MS WORKS 95	$ 69.95
MS WINDOWS 95 FULL 3.5	$ 129.95

*CONDITIONS APPLY

WINDOWS NT 4

NT 4 SERVER C/G + 5 CALs	$ 479.95
NT 4 SERVER C/G + 10 CALs	$ 549.95
NT 4 SERVER FULL + 5 CALs	$ 999.95
NT 4 SERVER FULL + 10 CALs	$1299.95
NT 4 SERVER + MS EXCHANGE SVR + 5 CALS	$1999.95
MS EXCHANGE SERVER 5 + 5 CALS*	$1099.95
NT 4 WORKSTATION FULL	$ 389.95
NT 4 WORKSTATION ACAD	$ 169.95
NT 4 WORKSTATION U/G	$ 199.95
NT RESOURCE KIT WKSTN	$ 99.95
NT RESOURCE KIT SRVR	$ 149.95

LICENSES LICENSES LICENSES

WE ARE ABLE TO ARRANGE CORPORATE MULTI USER LICENSES AT VERY COMPETETIVE RATES AND CAN OFFER PROMPT REGISTRATION. IF YOU ARE THINKING ABOUT INTRODUCING A MICROSOFT OPEN LICENSE PLAN (MOLP) INTO YOUR BUSINESS PLEASE GIVE US A CALL. WE CAN GUARANTEE SUBSTANTIAL SAVINGS ACROSS THE RANGE OF PRODUCTIVITY & BUSINESS APPLICATIONS.

Microsoft

ACCOUNTING SPECIALS

QUICKBOOKS 4	$249.95
QUICKBOOKS 4 PRO	$429.95
QUICKBOOKS 4 + PAYROLL	$349.95
QUICKBOOKS 4 PRO + PAYROLL	$499.95
MYOB 6	$369.95
MYOB 6 + PAYROLL	$555.95
MYOB 6 FIRST ACCOUNTS	$229.95

UTILITIES

VET ANTI VIRUS JUST	**$94.95!**
ADAPTEC CD CREATOR 2.0	$269.95
CHEYENE BACKUP	$ 89.95
CLEANSWEEP 3.0	$ 59.95
ESSENTIAL UTILITIES	$139.95
FIRST AID 97	$ 69.95
MAGNARAM 97	$ 59.95
NORTON PC ANYWHERE 32 7.5	$199.95
NORTON UTILITIES 2.0*	$ 79.95
PARTITION MAGIC 3.0	$109.95
SYSTEM COMMANDER 3.0	$139.95

WINFAX 8.0

FAX QUICKLY & EASILY RIGHT FROM YOUR COMPUTER WITH WINFAX PRO!

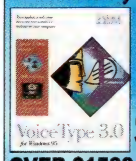
$129.95!

ART /PAINT PACKAGES

ABC FLOWCHARTER 7.0	$329.95
ADOBE ILLUSTRATOR 7.0*	$389.95
ADOBE PAGEMAKER 6.5	$799.95
ADOBE PHOTOSHOP 4.0	$895.95
COREL DRAW 7*	$399.95
COREL VENTURA 7*	$399.95

*CONDITIONS APPLY

IBM - VOICETYPE & KTX 33,6 FAX MODEM



CONTROL & DICTATE TO YOUR PC!

JUST **$389.95!**

OVER $1500 WORTH OF VALUE!

COMMUNICATIONS

COMMS UTILITIES

ARTISOFT ISHARE 2.0	$279.95
ARTISOFT MODEM SHARE	$139.95
ARTISOFT XTRA MAIL 95*	$329.95
COREL WEB GALLERY	$ 99.95
EUDORA PRO 3	$ 99.95
NETSCAPE 4.0	$ 89.95
NETSCAPE 4.0 GOLD	$129.95
PROCOMM PLUS 95	$179.95
QTRDECK NETCOMPASS	$ 89.95
SYMANTEC FAST FIND	$ 69.95
WINFAX PRO 4	$139.95

MODEMS

BANKSIA WAVE MODEM	$339.95
HAYES ACCURA 33.6	$249.95
KTX 33.6 VOICE	$169.95
KTX 33.6	$129.95
NETCOMM SVD ULTRA 33.6	$299.95

DYNALINK 33.6 EXT $169.95

DYNALINK 33.6 INT $139.95

MICROSOFT FRONTPAGE 97 U/G $79.95

FULL $149.95!

US Robotics
The Intelligent Choice in Information Access

NEW 56K TECHNOLOGY SUPPORTED BY:

US ROBOTICS SPORTSER 33.6 EXT	$239.95
US ROBOTICS SPORTSER 33.6 INT	$219.95
US ROBOTICS COURIER	$479.95

ACADEMIC

ADOBE PHOTOSHOP 4	$395.95
ADOBE PAGEMAKER 6.5	$339.95
BORLAND C++ 5	$169.95
BORLAND C++ BUILDER STD	$119.95
BORLAND C++ BUILDER PRO	$329.95
COREL DRAW 5	$ 99.95
COREL DRAW 6	$139.95
COREL DRAW 7	$149.95
DELPHI 2.0 SPECIAL EDITION	$ 99.95
MS VISUAL BASIC 5 PRO	$129.95
MS VISUAL C++ 4 STD	$ 69.95
MS VISUAL C++ 4 PRO	$189.95
NORTON ANTI-VIRUS	$ 59.95

MS SIDEWINDER 3D PRO

8 BUTTON, TWIST FUNCTION, THROTTLE CONTROL & MS HELLBENDER GAME

$84.95!

IOMEGA JAZ/ZIP DRIVES

ZIP DRIVE (100MB)	$299.95
ZIP DRIVE (100MB) SCSI INT*	$239.95
ZIP DRIVE CARRY CASE	$ 29.95
ZIP DRIVE ZIP MEDIA WALLET	$ 49.95
JAZ DRIVE (1GB) INT	$799.95
JAZ DRIVE (1GB) EXT	$829.95
JAZ TRAVELLER SCSI-PARALLEL	$ 99.95

*CONDITIONS APPLY

ADOBE PHOTOSHOP 4

INCLUDES FREE HP5 SCANNER!

A LOW $779.95!

OVER $1500 VALUE

*STRICTLY LIMITED STOCK

HP ScanJet 5p
Easy and Affordable Color Scanning!

MS RED HOT SPECIALS

MS 3D MOVIE MAKER	$ 24.95
MS ANCIENT LANDS	$ 24.95
MS CREATIVE WRITER	$ 24.95
MS DOGS	$ 24.95
MS DANGEROUS CREATURES	$ 24.95
MS ENCARTA WLD ATLAS 96	$ 24.95
MS MAGIC SCHOOL BUS - DINOSAURS	$ 24.95
MS MAGIC SCHOOL BUS - OCEANS	$ 24.95
MS MONSTER TRUCK	$ 24.95
MS FURY 3	$ 24.95

JOYSTICKS

CH FLIGHTSTICK PRO	$ 49.95
GRAVIS GAMEPAD	$ 69.95
GRAVIS GAMEPAD PRO	$139.95
MAD KATZ STEERING WHEEL	$139.95
MS SIDEWINDER GAMEPAD	$ 89.95
THRUSTMASTER F16 FLCS	$279.95
THRUSTMASTER PHAZER PAD	$119.95
THRUSTMASTER T2 STEERING WHEEL	$289.95

GAMES

TOP GAME SELLERS

DAGGERFALL	$ 69.95
DIE HARD TRILOGY	$ 79.95
EA CRICKET 97	$ 69.95
F1 GRAND PRIX 2	$ 59.95
FLYING CORPS	$ 69.95
KRUSH, KILL & DESTROY	$ 69.95
MAGIC THE GATHERING	$ 79.95
MASTER OF ORION 2	$ 79.95
MYST CD	$ 49.95
NASCAR II	$ 59.95
NEED FOR SPEED II	$ 69.95
RED ALERT	$ 69.95
SIM CITY 2000 COLL.	$ 79.95
SOUL TRAP	$ 69.95
TOMB RAIDER	$ 69.95
XWING V'S TIE FIGHTER	$ 79.95

WE HAVE A HUGE RANGE OF GAMES. TOO MANY TO MENTION HERE. CALL & ORDER WHAT YOU WANT FROM US NOW!

FREE NEXT DAY DELIVERY!*

RING OUR MAIL ORDER HOTLINE ON 03 9639-2444 FOR IMMEDIATE ATTENTION OPEN FOR SERVICE 7 DAYS A WEEK

MELBOURNE STORE
& MAIL ORDER CENTRE
03 9639 2444
398 Elizabeth St
Melbourne VIC 3000
FAX: 03 9639 3144
EMAIL: swtcity@ocean.com.au

KNOX CITY
SHOPPING CENTRE
03 9801 9900
Shop 1090 Knox City
Wantirna VIC 3152
FAX: 03 9887 0161
swtoday@ocean.com.au

Software TODAY

*Call city store for prompt service. Free same day freight applies for all orders over $200. Otherwise add $5 delivery for Melbourne Metro or $10 for elsewhere. For sameday delivery, please order by 12:00 noon. For next day service to other areas, please order by 5:00pm. Government/corporate orders and most credit cards accepted. Dealer enquires welcome. No rainchecks on specials. E & OE.

Service Advice & the Right Price * Service Advice & the Right Price * Service Advice & the Right Price

Four days of computer heaven

Four days of computer heaven for the family. Fun, games and information for all ages including, small office home office applications, the internet, electronic games, educational software, multimedia, home computers and more. Everything from modems to multimedia, programs to printers. Australia's premier event for the SOHO and home market.

Melbourne Exhibition Centre
14 - 17 November 1997

• Fri 10am - 7pm • Sat 10am - 7pm
• Sun 10am - 7pm • Mon 10am - 5pm

The Home Computer Show

Please send me further information about ❒ Exhibiting or ❒ Visiting
Melbourne Exhibition Centre 14-16 Nov. 1997

Name:

Company: Position:

Address:

Postcode:

Telephone: Fax:

AES
Australian Exhibition Services Pty Ltd
Illoura Plaza 424 St Kilda Road Melbourne 3004 Australia
Tel: (03) 9261 4500 Fax: (03) 9261 4545

COCKLE 2634/PCU

AES AUSTRALIA'S LEADING EXHIBITION ORGANISER

Australian Exhibition Services Pty Ltd Illoura Plaza 424 St Kilda Road Melbourne 3004 Australia Tel: (03) 9261 4500 Fax: (03) 9261 4545
Web address: http://www.ausexhibit.com.au e-mail address: Shows@ausexhibit.com.au

AUSTRALIAN PC USER SHOWCASE classifieds

A GUIDE TO PRODUCTS AND SERVICES

CD-R CD-R CD-R CD-R CD-R

Ex tax & delivery / minimum order 10 CD-R

From $8.60 EACH

No.1✓ Authorised Distributor TDK, Mitsui, Taiyo Yuden

DATA MEDIA SOLUTIONS

PHONE: (02) 9150 4033

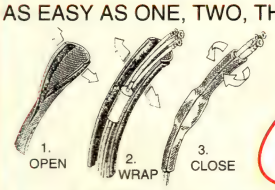
TECHFLEX AUSTRALIA

COMPUTER CABLE TIDY KIT

RE-USABLE - FLEXIBLE - EXPANDABLE - AFFORDABLE

Available at your local computer store

AS EASY AS ONE, TWO, THREE



DEALERS WELCOME

CREDIT CARDS WELCOME

BEFORE AFTER

• Ideal for networking • Custom made length available in a choice of four different diameters.

For further information:

AUSTRALIA: THERMO-TEC PRODUCTS PTY LTD, Tel: (02) 9709 3530 Fax: (02) 9793 7350

NEW ZEALAND: TECHFLEX (N.Z.), Tel: (09) 575 3915 Fax: (09) 575 3913

RP

WE MANUFACTURE QUALITY

RITE PRICE COMPUTERS PTY LTD

PO BOX 539 - 7 BILLSON ST, WONTHAGGI VIC 3995

PHONE (03) 5672 4887 OR FAX (03) 5672 4410 A.C.N. 072 721 192

HOURS 9.00AM TO 5.00PM MON-FRI, 9.00AM TO 1.00PM SAT

MOTHERBOARDS VX-HX

486-586 PCI H/S IDE 16550's-133 ....$95
P/INTEL TRITON III MB VX $144
P/INTEL TRITON III MB VX UP $155
P/INTEL TRITON II MB HX UPG $159
P/INTEL TRI/T VX 512K MMX $169
PENTIUM PRO MB INT TRI FX $295
UPGRADE CACHE 512K $30

CPU'S586 - PENTIUM PRO

5x86-133 AMD 3.3v $61
AMD K5 P-133 CPU $133
PENTIUM 100 INTEL GENUINE $145
PENTIUM 120 INTEL GENUINE $180
PENTIUM 133 INTEL GENUINE $245
PENTIUM 150 INTEL GENUINE $275
PENTIUM 166 INTEL GENUINE $375
PENTIUM 166 MMX INT GENU $555
PENTIUM 200 MMX INT GENU $785
PENT PRO 200 INTEL CPU $875
IBM 6X86 P150+ CPU (120Mhz) $160
IBM 6X86 P166+ CPU (133Mhz) $215
IBM 6X86 P200+ CPU (150Mhz) $325

HARD DRIVES

640 MB SEAGATE HD $198
1.3 MAXTOR/FUJITSU/NEC M4 ....$250
1.7 FUJIS/MAX HARD DISK M4 ....$280
1.6 GIG WESTERN DIG M4 ....$299
2.1 GIG FUJITSU/NEC $315
2.1 GIG WESTERN DIG M4 ....$340
2.5 GIG WESTERN DIG M4 ....$369
3.2 GIG QUANTUM/WEST DIG $419
4.0 GIG WEST DIGITAL HD $479

CARDS VIDEO & I/O

S3 TRIO64V+ 64BIT PCI 1MB mpeg $58
S3 TRIO64V+ 64B PCI 2MB mpeg $88
1MB EXPANSION RAM 2 CHIPS $35
2MB EDO VIRGE 3D S3 PCI $93
2MB ET6000 128BIT PCI TSENG $93
D/STEALTH 64 DRAM PCI 2MB $115
D/STEALTH 64 3D DRAM 2MB PC $154
D/STEALTH 64 3D VRAM 2MB PC $325
D/STEALTH VIDEO V/R OEM 2M $289
2 MB MATROX MIL PCI 64 B W/R $295
4 MB MATROX MIL PCI 64 B W/R $395
2 MB MATROX MISTIQUE PCI $245
4 MB MATROX MISTIQUE PCI $295

MEMORY RAM

30 PIN 1 MEG SIMM STD $15
30 PIN 4 MEG SIMM STD $45
72 PIN 4 MEG SIMM STD ....CAL
72 PIN 8 MEG D-S SIMM STD ..$49
72 PIN 16 MEG SIMM STD $105
72 PIN 32 MEG SIMM STD $215
72 PIN EDO 4 MEG SIMM ....CAL
72 PIN EDO 8 MEG SIMM $49
72 PIN EDO 16 MEG SIMM $105
72 PIN EDO 32 MEG SIMM $215

MONITORS 14" - 21"

14" NON-INT MONITOR L/R STD $260
14" NON-INT MONITOR L/R V/M $290
15" NON-INT L/R DIGITAL MON $365
15" NON-INT L/R MPRII DIG KTX $380
15" NON-INT L/R MPRII DIG OSD $399
15" SONY N-I L/R CPD100SF **NEW** ..$680
17" V/M N-I (1280X1024) 64khz .28 ..$715
17" V/M N-I (1600X1280) 80khz .26 ..$840
17" SONY N-I L/R CPD200SF **NEW** $1365
20" V/M N-I (1600X1280) 80khz L/R $1405
21" V/M N-I (1600X1280) 80khz L/R $1915

KEYBOARDS 104 & MICE

WIN95 104 KEY STANDARD K/B $25
HONEYWELL K/B GENUINE 104 ....$69
MICROSOFT K/B NATURAL 104 ....$95
MOUSE STD MS COMPAT $10
MICROSOFT MOUSE GENUINE $39

PRINTERS HP - EPSON

HP 400 COLOUR INK W/C $275
HP 690 COLOR INK-J $355
HP 820 CXI COLOR INK-J $549
HP 870 CXI COLOR INK-J $743
HP 5L LASER PRINTER $645
HP 6P LASER PRINTER $1045
HP OFFICE JET $835
EPSON COLOR 400 **NEW** $375
EPSON COLOR 600 **NEW** $450
EPSON COLOUR 800 **NEW** $630
EPSON S C PRO XL + A3 ....$1850
EPSON EPL 5500 1MB ram $670
EPSON EPL 5500 5MB ram $785
CANON BJC210 A4 ....$275
CANON BJC4200 A4 ....$345
CANON BJC4550 A3 ....$625
CANON BJC620 A4 ....$540

SCANNERS

HP 5P COLOR SCAN **NEW** $550
HP 4P WITH SOFTWARE $1242
HP 4P DOC FEEDER $680
HP TRANS ADAPTOR $880
EPSON GT5000 SCANNER $635
GENUIS H/H 3200 DPI $215

CASES

DESKTOP CASE LED $55
DESKTOP CASE LCD LED $65
MINI TOWER CASE LED $55
MIDI TOWER CASE LED $85
FULL TOWER CASE LED $110

MISC TAPE - ZIP - DISK

FLOPPY 3.5" 1.44MB $35
FLOPPY 5.25" 1.2MB $62
NE2000 COMBO CARD $45
NE2000 PCI COMBO CRD $55
TAPE DRV 4.4GIG W/2 T $335
HP TAPE DRIVE $365

ZIP DRIVES - IOMEGA

IOMEGA ZIP DRIVE EXT $270
IOMEGA 100MB DISKS EA $20.5
IOMEGA JAZZ DRV & CARD $685
IOMEGA JAZZ DRV EX. SCSI $660
I/MEGA JAZZ DRV INT. SCSI $565
IOMEGA JAZZ CART 3 PACK $399

MULTIMEDIA - CD

KIT SB16 & 8 SPD CD & S/W $295
KIT SB16 & 12 SPD CD & S/W $325
KIT SB16 & 16 SPD CD & S/W $355
SB16 BIT S/C & 8 SPD CD $235
SB16 BIT S/C & 12 SPD CD $255
SB16 BIT S/C & 16 SPD CD $275
VIBRA 16 BIT S/C PNP $99
SB32 BIT SOUND CARD PNP $150
CREATIVE SB AWE64 PNP $275
8 SPEED CD-ROM DRV $139
12 SPEED CD ROM DRV $159
16 SPEED CD-ROM DRV $179
PANASONIC WRITER KIT $675
AMPLIFIED SPEAKERS 24W $20
COMPRO AMP SPK240V 50W $29
JAZZ 3D SPEAKERS 100Watt $69
COMPRO AMP 240V 200Watt $79
KODAK DC-20 DIG CAMERA $335
KODAK DC-25 DIG CAMERA $595
KODAK DC-50 DIG CAMERA $945
KITS INCLUDE MSHOME, PACK INC. ENCARTA 97, SAMP, WORKS, MONEY etc

MODEMS

EXT.33.6 V.34 MODEM $159
INT. 33.6 V.34 MODEM $149
33.6 EXT V.34 MODEM KTX $169
MAESTRO EX 33.6 V.34 ....$309
MAESTRO EX 33 V.34 VOICE $329
MAESTRO INT 33 V34 VOICE $309

OTHER

486 CPU FAN $9
PENTIUM FAN $12
DISKETTE BOXES $10
3.5" DISKETTES 10 ....$6
5.25" DISKETTES 10 ....$4
PRINTER CABLE $6
WINDOWS 95 CD OEM $120
WIN 95 upg CD OR 3.5" $65
DOS & WIN 6.22, 3.11 ....$120
MOUSE PAD $4

SYSTEMS 586 - PRO

5x86DX-133 16MB PCI $915
AMD K5 P-133 16MB PCI $1010
PENTIUM PCI 100 16MB $1052
PENTIUM PCI 120 16MB $1079
PENTIUM PCI 133 16MB $1142
PENTIUM PCI 150 16MB $1179
PENTIUM PCI 166 16MB $1279
PENTIUM PCI 166 MMX $1470
PENTIUM PCI 200 MMX $1735
PENTIUM PRO200 16MB $1906
IBM 6x86P-150 16MB $1059
IBM 6x86P-166 16MB $1109
IBM 6x86P-200 16MB $1207

ALL SYSTEMS INCLUDE: 1300MB M4 HD, PCI 1MB VID, 16MB RAM, 14" N-I L/R MONITOR, KEYBOARD & MOUSE & ALL MANUALS

RING FOR ANY CONFIGURATION OR PRICE

DEALER ENQUIRIES MOST WELCOME!

SHIPPED ANYWHERE IN AUSTRALIA!

WE WILL NOT BE BEATEN ON PRICE OR QUALITY - ALWAYS RING FOR LATEST PRICE

PAYMENT TERMS STRICTLY COD, CASH, CASH DIRECT DEPOSIT OR (BANKCARD, MASTERCARD OR VISA @ 2.5% SURCHARGE)

1 YEAR (12 MONTHS) RTB WARRANTY ON ALL PARTS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE ALL PRICES INCLUDE SALES TAX

Do you have a Scanner?
You need to Upgrade to serious Scanning Software!!!

$495	TypeReader Pro 3.0XA Win	Most Accurate Best Interface	**$895**	Remark Office 3.0	Easy Mark Recognition
$495	TextBridge Pro 96 w/dtSearch	Best Choice for Win 95 or Win NT	**$239**	PaperMaster 2.0	Personal Paper Management
$395	WordScan Plus 4.01	Best Integration with Word 6	**$179**	HotPage for Netscape	Manages Web Info
$395	OmniPage Pro 6.0 win 3.x. 7.0 win95	Very popular	**$295**	dtSearch Text Retrieval	Finds info based on the *contents* of your files

INDIGO PACIFIC
Level 16, 275 Alfred Street, North Sydney NSW 2060, Australia
Telephone: (02) **9955 8000** Facsimile: (02) **9955 8511.** ACN 003 672 302

30 day money back guarantee on most products
www.indigopacific.com.au

KNOCKOUT DISCOUNT SOFTWARE
For all PC & Network needs & Quality hardware

STUDENT/ACADEMIC PRICES AVAILABLE
Company & Government Contract orders welcome
BEST MOLP pricing
Authorised DIGITAL Solution Centre
Telephone/Fax/Mail your order
Enquiries and Orders: ***(02) 9873 1795***
Fax: ***(02) 9871 3235***
Call Mon. to Fri. 9AM to 6PM, Sat. 10AM to 2PM

WE DELIVER THROUGHOUT AUSTRALIA
P.O. BOX 695 Carlingford - NSW - 2118
46 Range Rd, West Pennant Hills NSW 2125
We ONLY SUPPLY LATEST VERSIONS sourced in Australia with full warranty.
We also accept Bankcard, Mastercard & Visa.
PRICES INCLUDE SALES TAX
Prices may change without notice due to factors beyond our control (E. & O.E.)

1997 year long Specials !!
CALL FOR UPDATED PRICES & ALL UPGRADES!!
♦ Our range is too large to list, so if not here CALL!! ♦
Purchasers get KO's PC Utilities 5 FREE !!

Windows Software Everyday LOW PRICES !!	Price
ABC FlowCharter Ver 6 New!!	365
Adobe Acrobat Pro Ver 3 New!!	735
Adobe FrameMaker 5 New!!	1295
Adobe PageMaker V6.5 New!!	970
Adobe PhotoShop Ver 4 New!!	1045
Adobe Type Manager DeLuxe 4 for Win 95 New!!	89
Adobe Type on Call (all the Postscript fonts on a CD)	108
AutoCAD LT for Win 95 (AutoCad compatibility!!)	845
CorelDraw! Ver 4.x (with all manuals)	195
CorelDraw! Ver 7 New!!	695
CrossTalk with CrossFax (data+fax+Internet)	189
IBM VoiceType Dictation 3 Kit (with hardware)	1195
IMSI MasterClips 101,000	99
IMSI MasterClips 150,000	149
LapLink for Win 3.x & 95 (2 for the price of 1)	229
MS Access, Excel, Word, PowerPt 97 / Upgr	370/159
MS Access Developer Toolkit Ver 2 / Ver 7	485/725
MS Excel, Word, PowerPt, Access Win 3.1 / Xgr or Upgr	370/169
MS FrontPage 97	165
MS Office Std 4.3 or 97 / Xgr & Upgr	720/389
MS Office Prof 4.3 or 97 / Xgr & Upgr	860/485
MS Project 4 or Win 95 / Xgr & Upgr	769/225
Norton AntiVirus 3.0 for Windows 3.11	69
Norton's NEW range of software for Win 95	Call for Pricing
ProComm Plus V4 for Win 95 (Internet + Fax + Data)	225
SmartCom data/fax Pro (from Hayes!!)	160
TurboCAD Ver 3 2D/3D	190
Tracker for Windows Ver 2.2 + Green Pages CD	379
Windows 95 / Upgrade	295/159

DOS, System & developer S/w	Price
MS Win NT 4 Workstation / Server (only few at this price)	380/970
MS Windows for WorkGroup V3.11 + Resource kit Bargain!!	230
MS Visual Basic & C++ & J++	CALL!!
MS SourceSafe Ver 4 or Ver 3.1 / Academic	735/189

Hardware Call for updated pricing!!	Price
Avtek MegaCard 288 V34 PCMCIA	390
Banksia WAVE SP336 fax modem	375
Banksia GSMCard - V34 Digital Cellular ready	699
Fujitsu 680MB MO disk cartridge unit - New release	CALL!!
Hayes modems: All new faster & improved modems	Call us for Info & Pricing!!!
HP Colorado T4000 Tape unit with s/w (4 to 8GB)	789
HP ScanJet 5P Flatbed Colour Scanner	CALL!!
Intel EtherExpress Pro Combo Netw cards (Under COST)	119
Iomega 1GB & Syquest 1.5GB drives & media	Call for updated pricing
Kodak Photo Scanner (with lots of software!)	275
Logitech ScanMan Color 2000 with OCR s/w	229
Logitech PageScan Color Pro Scanner (OCR & ADFeeder)	569
Netcomm SmartModem 336D DSVD unit	535
Netcomm VoiceMaster 336 (16 bit, flash upgrade)	366
Netcomm MemoryModem 336 (16 bit, stores fax + voice)	495
Network cards (3Com, Intel, SMC, XIRCOM, etc)	CALL!!
XIRCOM Network & Fax Modem Products	CALL!!

BULK INK JET REFILLS
Reduce Ink Jet Printing Costs by at least 80%
We use only the highest quality inks to protect the life and performance of your printer.

**BRAND NEW!! - Waterfast Inks that are superior in richness, depth colour and sharpness!*
**Satisfaction guaranteed.*

**Easy to use.*
**Safe Flexible plastic bottle & needle.*

BLACK REFILL KITS FROM ONLY- $29.90
BLACK KITS INCLUDE SUPERIOR, DENSE & SHARP BLACK INK!!

DESCRIPTION	No. of Fills	Code
CANON BJ-30	60	20-BKL
CANON BJC-70	80	21-BKL
CANON BC-01/02 BJ-10E/20/BJ-200/BJC-210	7	3-BKL
CANON BJ-300/ 330	7	4-BKL
CANON BJC-600/610	15	5-BKL
CANON BJC-4000/4100 BCI-21	50	19-BKL
CANON BJC-4000/4100 BCI-20	8	18-BKL
HP Desk Jet 400/500/600C/660C Series	7	8-BKL
HP Desk Jet 850C/855C	6	29-BKL
HP Deskjet/Deskwriter Portable/300 Series	8	7-BKL
EPSON Stylus 400/800/800+/1000	8	1-BKL
EPSON Stylus Colour /PRO/XL	8	2-BKL
EPSON Stylus 820/colour II/IIs	12	23-BKL
EPSON Stylus Colour 200/500	12	33-BKL
IBM/LEXMARK 4076/1020	6	35-BKL

BUY 3 KITS AND GET 1 FREE

COLOUR REFILL KITS FROM ONLY- $39.90
COLOUR KITS INCLUDE CYAN, YELLOW & MAGENTA INKS!!

DESCRIPTION	No. of Fills/Colour	Code
CANON BJC-70	60	22-CLR
CANON BJC-210	12	25-CLR
CANON BJC-600/610	8	10-CLR
CANON BJC-4000/4100 BCI-21	30	17-CLR
HP Colour Desk Jet 300/400/500/600C/660C Series	12	14-CLR
HP Desk Jet 850C/855C	6	30-CLR
EPSON Stylus Colour /PRO/XL	6	16-CLR
EPSON Stylus 820/colour II/IIs	12	24-CLR
EPSON Stylus Colour 200/500	12	34-CLR
IBM/LEXMARK 4076/1020	6	36-BKL

ASK ABOUT OUR FREE VET SOFTWARE OFFER VALUED AT OVER $100!!

PHONE OUR FREECALL HOTLINE!!
FREE!! DELIVERY
1800 680 605
Fax/Ph orders & Enquiries - (07) 3245 2755
NEW REALITY RESOURCES PTY. LTD
Mail - P.O. Box 179 Noosaville QLD 4566 Email - nreality@ozemail.com.au
QUICK FREE AUSTRALIA WIDE DELIVERY (EXPRESS POST PLEASE ADD $6)
COD * MONEY ORDER * CHEQUE * MASTER * VISA * BANKCARD ACCEPTED

HSC BIOLOGY
New Software program designed specifically for NSW 2 unit syllabus.

* Text is comprehensive, illustrated, animated, integrated with tutorial
* Tutorial section for efficient revision
* Test section to assess progress

3 HSC Core units $95. Information and Demo disk Tel. 0419 402 684 or write

STUDY BYTES
PO Box 2, Kingsgrove, NSW 2208.

What has SPORT to do with computers?

Now you can **generate** sport **fixtures** and **manage** sporting **competitions**.

SportsDraw!

For Sporting bodies or sport's enthusiasts.

$ 35.00 ..... Basic,
$ 95.00 ..... Standard,
$395.00 ..... Professional.

Freecall 1800 68 14 14
Dealer inquiries welcomed

Ad-Pacific.
Software Publishers

High Speed Networking

16-Bit ISA LAN BNC	$28	100/10BaseTX PCI Card	$119
16-Bit ISA LAN Comb	$39	100/10Base TX PCI Plus	$139
32-Bit PCI LAN Comb	$45	8-Port 100M Hub	$799
16-Bit ISA LAN Combo PLUS	$50	8-Port 100M STK Hub	$899
5-Port 10BaseT Hub	$99	STK Hub Link Cable	$55
9-Port 10BaseT/2 Hub	$129	STK Hub 10M Bridge	$229
17-Port 10BaseT/2 Hub	$219	STK Hub Fibre Module	$409
5-Port Internet Access Hub	$498	2-Port 100M/10M Switch	$900
Parallel Port LAN Combo	$139	6-Port 100M/10M Switch	$1999
PCMCIA LAN Combo	$135	4-Port 10M Switch	$1199
3-Port Print Server	$460		
2-Port Modem Server	$573		
AUI-BNC-UTP Transeiver	$47		
Cables w RJ45/BNC	$6 + $1/m		
Little Big LAN Software	$95		

ALL PRICES INCLUDE SALES TAX

Microsoft Authorised Education Reseller

Internet Access

NO registration fee · NO minimum usage · All 33.6K access
NO traffic charge · NO peak hour charge · From $1 / hour

Business Web Specialist

Advertise and Trade on the Internet — from $10 / month
Have your very OWN domain name — from $20
Advance multimedia front-end with powerful database back-end !

KNOWLEDGE by Design Pty. Ltd. www.kbd.com.au
Suite 201 Citymark Bldg 683 George Street Sydney NSW 2000
Tel: (02) 9212 1399 Fax: (02) 9212 5727 Email: info@kbd.com.au

The OASIS*

Bulletin Board System

Attention MODEM USERS

(03) 9383 6022

All speeds up to 28,800 bps (v.34)

Download the **LATEST GAMES!**
Adult file and message areas**.
Over **10 GigaBytes** of files online.

Instant access - no delays.

*Formerly The CompuSoft BBS

**Adult application must be sent in before access is granted.

MEMORY ★ MEMORY ★ MEMORY

SPECIAL! (Ex Tax) 4Mbx9 - (3 Chip) 60ns $50
30 PIN SIMM

SIMMS (Parity/No Parity)

4MB 30 PIN-70	$50	$44
4MB 72 PIN-70	$53	$36
8MB 72 PIN-70	$104	$72
16MB 72 PIN-70	$168	$146
32MB 72 PIN-70	$324	$285

EDO SIMMS (60ns)

4MB / 8MB	$39 / 72
16MB / 32MB	$146 / 290
64MB / 128MB	$1075 / 2112

LASER PRINTER MEMORY

4MB HP 4 & 5	$42
8MB HP 4 & 5	$83

All other models available, $Call

LIFETIME WARRANTY!!

COMPAQ

16MB ARMADA 1100	$197
All other models available,	*$Call*

TOSHIBA

8MB Portege/Sat EDO	$131
16MB Portege/Sat EDO	$225
16MB Tecra 500/650 Sat	$236
All other models available,	*$Call*

IBM

16Mb T.Pad 756, 360 EDO	$236
All other models available,	*$Call*

DIMMS

4MB - SO - 72 PIN	$36
8MB - SO - 72 PIN	$72
16MB - SO - 72 PIN	$144
8MB/16MB - 168 PIN	$70 / 144
32MB/64MB - 168 PIN	$288 / 569

SYNCHRONOUS (SDRAM)

168 PIN - 16MB	$150
168 PIN - 32MB	$327
168 PIN - 64MB	$696

Ex Tax Pricing - O/Nite Delivery $8. Pricing as at 21/3/97. Phone for latest. Sales Tax 22%. Credit Cards Welcome. We also buy and Trade-in Memory.

PELHAM Pty Ltd Suite 6, 2 Hillcrest Rd, Pennant Hills NSW
TEL: (02) 9980 6988 FAX: (02) 9980 6991
Email: pelham1@ozemail.com.au

Doug Thorp's

Valhalla
Games and Hobbies

493 Wellington Street, Perth
(opposite Horseshoe Bridge)

GAMES !!

Huge ranges of:
Wargames Fantasy-SF RPGs Figures Kits Kites Paints Books Posters Diecast Jigsaws Planes, Trains, Cars, Trucks, Motorbikes, Ships GAMES SOFTWARE

Open seven days
Trade ins accepted
Mail lists available

SOFTWARE

We have Perth's largest range of games software!
(Amiga, IBM, Commodore-64, Macintosh, Atari ST, Apple II, Sega, Nintendo)

Ph: (09) 321 2909 Fax: (09) 322 7016

The best in Genealogy Software

Reunion® for MacOS & Windows $179

Multi-award winning software. Reunion® organises all your family information, displays pictures, shows relationships, creates large graphic tree charts, family group sheets, family histories, Register reports, mailing lists, questionnaires, mail merge files and more. GEDCOM import & export. Includes MacOS & Windows Players so others can view your files.

My Family History for Windows $59

Contains a "Subset" of the features of Reunion. Has the same; "User Interface"; the same Keyboard Shortcuts; the same number (and size) of information fields (including Custom fields). Includes MacOS & Windows Players, plus a "Discount Coupon" for $20 off the RRP of Reunion®.

Crossgrade to My Family History for $19.95 !

For free demo disks & brochures, or details of your nearest Dealer, or to order directly from the distributor, contact:-

BLACK•FIRE TECHNOLOGY
P O Box 817 Tel (07) 3823-1993
Capalaba QLD 4157 Fax (07) 3390-3526
Internet www.blackfire.com.au

OOPS (02) 9584 1116, 019 922529
Fax: (02) 9837 2506
sales@oops.com.au www.oops.com.au

Bargain
Intel Pentium 133/150/166
$1550/1600/1850
2 UART, 144FDD, 2.1 GB HD,PCI SVGA, 16MB EDO Memory, 15" SVGA Monitor, 8X CDROM Drive & 16 bit PnP sound card, Win95, Keyboard, MS Mouse, Built-in HD/FD controller

EDO Memory	$
8/16/32 MB 72 PIN	60/115/call
Hard Disks	
1.3/2.1/2.5 GB	270/330/380
Network Cards	
16 bit ISA LAN BNC	35
32 bit PCI LAN Comb	50
16 bit PnP ISA LAN	40
Printers	
Epson Stylus 500	400
HP 690C	450

Internet Services
from **$1/hr**
or **$30/mth** flat

Other Services
We also provide: Onsite or Remote Unix, Win95, NT Network & Admin Services & Programming Services in C,C++, Visual Basic, Java, Dolphin & Access

Photos on CD-ROM
CD Audio

Photos on CD-ROM
Gold CD $20 with case
Scans in lots of 10 for $20
FREE Software included
Individual Scans from $3
Add to your own CD later

CD Audio
Work by Audio Engineer
FREE Quality Gold CD
Up to 20 minutes $50
Up to 40 minutes $60
Up to 70 minutes $80

Backup files on CD
Gold CD $20 with case
From up to 200 Meg $70
to 640 Meg $160 (CD free)
Add to your own CD later
CD Copies from only $40

Other Services
Quality Scanning Service
SCANS min charge $20
Pics in lots of 10 for $20
Individual scans from $3
Public BBS 9548 3082

Tel/Fax 02 9520 7404
ESCOM COMPUTING
Email: escom@ozemail.com.au http://www.ozemail.com.au/~escom

On line Quotation

Connect to www.cydex.com.au for the lastest prices

2 Years Parts & 5 Years Labour Warranty for Systems

MMX Pentiem 166 System $2670 · **MMX Pentium 200 System $2995**
Your Own Configurations are Welcome!

Build your own System on www.cydex.com.au

* Acer or US Made SuperMicro M/B
* 16MB EDO RAM * Panasonic 1.44 FDD
* Quantum Fireball 2.1 GB HDD
* Matrox Mystique 2MB SQRAM 3D Video
* Sony 15" Trinitron Monitor
* 12xPanasonic CDROM
* Galaxy Midi 250W Tower Case
* Digital 104 Keyboard * MS Mouse
* Windows 95 & MS Plus

Please Call For More Brand and Models.

Pentium 133, 1GB Hard Disk
12.1" COLOR, 16mb EDO RAM.1.44FDD
10XCDROM, Sound.WIN95, 3yrs Warranty
From : $3300

CPU & MEMORY & M/B

8MB 72pin EDO RAM	$65
16MB 72pin EDO RAM	$120
32MB 72pin EDO RAM	$235
168pin DIMM RAM	$CALL
Intel PT120 CPU	$195
Intel PT130 CPU	$245
Intel PT166 CPU	$470
Intel PT200 CPU	$Call
Intel PT166 MMX	$615
Intel PT200MMX	**$920**
Intel PTpro180	$Call
Intel PTpro200	$Call
Us Made SuperMicro M/B	$Call
AIR High Proformance M/B	$Call
Acer Aopen M/B	$Call

SuperMicro Air Aopen

Hard Disk &CDrom

Fujitsu 1.28Gb	$270
Quantum 1.28Gb FireBall	$290
Quantum 2.1GB Firebll	$345
Quantum 3.2GB Fireball	**$435**
Quantum 3.8GB Fireball	$480
Quantum SCSI Hard Disk	$call
IBM 2.1GB Ultra Wide SCSI	$570
IBM 4.2GB Ultra Wide SCSI	$call
Panasonic 8x CDROM IDE	$150
Panasonic 12xCDROM IDE	$180
16xCDROM IDE	$210
CD writer	**$Call**
Adaptec SCSI Card	$Call

Video / Graphic

Diamond Stealth 2000 3D 2MB	$160
Diamond Stealth 2000 3D 4MB	$190
Diamond Stealth 3000 3D VRAM	$290
Diamond Stealth 3000 3D VRAM	**$365**
Matrox MGA Mystique 2MB SGRAM	$210
Matrox MGA Mystique 4MB SGRAM	**$298**
Matrox MGA Millenium 2MB WRAM	$320
Matrox MGA Millenium 4MB WRAM	$440
Matrox MGA Millenium 8MB	$CALL
Sony 15"-20" Triniton Monitor	$Call
NEC 15"-21" Multisync	$Call
Samsung 15"-21"	$Call
Acer 14"-20" Monitor	$Call

Modems (1 month Internet Free *)

Netcomm InModem 33.6	$180
Netcomm InPlus 33.6 SVD Voice/Fax	$200
Netcomm Roadster 33.6	$220
Netcomm Roadster Ultra SVD	**$280**
Netcomm Memory Modem 33.6	**$375**
Netcomm PCMCIA Card Modem 33.6	$330
Netcomm CardModem & Ethernet	$540
Banksia Wave SP Spkphone 33.6	$310

**All Modems with One month Internet Access with FastMail in Sydney (02) only..

Printer & Scanner

HEWLETT PACKARD EPSON Canon

HP DeskJet DJ690 (600dpi)	$430
HP LaserJet 5L(4ppm)	$680
HP LaserJet 6P (8ppm, ps)	$1170
Acer FlatBed SCSI Color Scanner	$375
Canon BubleJet BJC210	$275
Canon BubleJet BJC4200	**$350**
Canon BubleJet BJC 620 720x720	$700
Epson Stylus Color 200 720x720	$315
Epson Stylus Color 400 720x720	$380
Epson Stylus Color 600 1440x720	**$485**
Epson Stylus Color 800 1440x720	$720

Others

Creative SoundBlaster16pnp	$90
Creative SoundBlaster32pnp	$150
Creative SoundBlasterAWE64 pnp	**$250**
Creative SB AWE64 Gold pnp	$400
Subwoofer System With Satellite spks	$170
Iomiga Zip Drive 100MB	$250
Zip Cartridge (100MB)	$24
Iomiga Jaz Drive (1GB Int)	$Call
Iomiga Jaz Drive (1GB Ext)	$Call
Jaz Cartridge (1G)	$160

All Trademarks and logos are the property of their respective companies. Prices are subject to change without notice. Prices are for Cash or Bank Cheque Only

Cydex Cydex Computers & Networking
Shop 49 / 47 Neridah St, Chatswood NSW 2067
Website: www.cydex.com.au
Tel: 02 9411 5088
Fax: 02 9411 5881
email: cydex@cydex.com.au

Bis Systems

Pentium, 256k, Triton Vx
16 Mb Ram 72 Pin
2.1 Gb Hard Disk Drive/ 1.44 mb Fdd
4 Mb PCI Video Card
Mini Tower/Desktop Case
104 Keyboard/Mouse/Mat
Internal 33.6 voice Faxmodem
Eight Speed Cd rom + 16 bit sound card + amp.speakers
14" N/I Monitor.28 dpi, N/I
Free Win 95 plus 2000 game Pack!!

Pentium 133 mhz $1990
Pentium 150 mhz $2090
Pentium 166 mhz $2190
Pentium 200 mhz $2590
IBM 6x86 - 166+ mhz $1990
IBM 6x86 - 200+ mhz $2390

CD ROM WRITERS

OPS 4x CD Reader/ 2x Writer .....with Scsi controller, WinOnCd software and 2 blanks Cds **$859**
OPS 6x Cd Reader / 4x Writer $1399
OPS 4x Cd Reader/ 4x Writer ..... with Scsi controller, Corel Cd Creator software and 2 blanks Cds **$1289**
Blank CDs **$13**
Special software - CDR Publisher HyCD version for win and win NT **$689**

MEGAIMAGE NOTEBOOKS

SPECIALS!! SPECIALS!!

Pentium 100 mhz
8mb Edo Ram, 1.44 Fdd, 1 Gb Hdd, 10.4" TFT Trackball **$2449**

Pentium 100 mhz
16 mb Edo Ram, 1.44 Fdd, 1Gb Hdd, 11.3" DSTN, Internal 6 x Cd Rom, Touchpad **$2995**

Pentium 120 mhz
16 mb Edo Ram, 1.44 Fdd, 1 Gb Hdd, 10.4" TFT, Internal 6 x Cd Rom, Touchpad **$3099**

Pentium 133 mhz
16 mb Edo Ram, 1.44 Fdd, 1 Gb Hdd, 12.1 TFT, Internal 6 x Cd Rom, Touchpad **$3995**

OPTIONS:
Upgrade to 16 mb ram $189
33.6 kbps PCMCIA Faxmodem $329
Quad Speed External CD rom drive $335
Win 95 $125

SCANNERS

Microtek V3/Para $499
Mirotek E3/Scsi $499
Mirotek E6/Scsi $1059
HP 4P $789
HP 4C $1389
Umax S6E $589
Umax Super S12 $1189
Epson GT9000 $1399
Mustek Paragon 600II $489
Others call

Bis PRO Systems

PentiumPRO, 256k, P/L burst
32 Mb EDO Ram 72 pin
2 Gb Hdd/ 1.44 Fdd
4 Mb Pci Video Card
Mini Tower/Desktp Case
104 Keyboard/Mouse/Mat
Internal 33.6 voice Faxmodem
15" N/I Monitor, .28, N/I
12 x CD rom+ 16 bit sound card+ speakers
Free Win 95 plus 2000 game Pack!!

Pentium Pro 180 mhz $2690
Pentium Pro 200 mhz $2890

RentSmart
Ten minute approval (from 3 yr $106/mth). Conserve cash & tax deductibility

TAPE BACKUP UNITS

Zip drives 100mb Para/Scsi $289
10 Pack Zip media $219
Jaz drives 1 Gb internal $599
Jaz drives 1 Gb external $759
Seagate DAT SCSI Internal 1 Gb $1099
Seagate DAT SCSI Internal 2 Gb $1199
Seagate DAT SCSI Internal 4 Gb $1499
For Sony and HP DAT Drives CALL

IBM THINKPAD NOTEBOOKS

SPECIALS!! SPECIALS!!

Pentium 133 mhz 365X
8mb Edo Ram, 1.44 Fdd, 1.08 mb HDD, 11.3" DSTN, Win 95 **$3099**

Pentium 133 mhz 365XD
8 mb Edo Ram, 1.44 mb Fdd, 1.35 Hdd, 6xCD Rom, 11.3" TFT screen, Win 95 **$4799**

Pentium 133 mhz 560
8 mb Edo Ram, 1.44 FDD, 1.08 Gb HDD, Cd Rom, 12.1" TFT, PCI, sound, Win 95 **$6179**

Pentium 133 mhz 760ED
16 mb Edo Ram, 1.44 FDD, 2.1 Gb HDD, Mwave, 12.1" SVGA TFT, PCI, Win 95 **$7989**
(Mwave = built in sound & faxmodem)

Pentium 150 mhz 760E
16 mb EDO Ram, 1.44 FDD, 2.1 Gb HDD, 6 x CD Rom, Mpeg, Mwave, 12.1" TFT SVGA, PCI, Win 95 **$9589**

OPTIONS:
8mb Edo Ram $325
16mb Edo Ram $739
6 x CD Rom swappable $595
Other items Call

All IBM systems carry 3 year warranty, first year free express pick up anywhere in Australia plus 1 year on site warranty!!

Biscom Computers

268 Pacific Highway, Hornsby, NSW 2120
Email: biscom@magna.com.au http://www.magna.com.au/~biscom
For Service, Quality & Reliability
Call: (02) 9477 2380 Fax: (02) 9477 2387
We Deliver Anywhere in Australia - All Prices Subject To Change Without Notice And Include Sales Tax - Cash And/Or Bank Cheques Only

Inkjet Refills
Kits & Cartridges

Canon BJ-10/BJ-20/BJ-200
Black two fill refill kit **$36**

HP Deskjet/Deskwriter
Black two fill refill kits for 51626A **$50** & 51633A **$40**

New Cartridges

Canon BJ10/20/200 series	Black		$36.00
Canon BJC-600 series	Black $20.00	Colours	$15.00
Canon BJC-4000 series BCI-21	Black		$14.00
Canon BJC-4000 series BCI-21	Colour		$28.00
Canon BJC-4000 series BC-20	Black		$49.00
Canon BJC-4000 series BC-21	CMYK		$69.00
Canon BJC-70 BCI-11C	Colour triple pack		$32.00
Canon BJC-70 BCI-11BK	Black triple pack		$19.00
Canon BJC-70 BC-11	Black + Printhead		$78.00
Canon BJC-800	Black $40.00	Colours	$48.00
Epson Colour Stylus Pro	Black $33.00	Colour	$66.00
Epson Colour Stylus II	Black $28.00	Colour	$43.00
Epson Colour Stylus 500	Black $34.00	Colour	$45.00
HP 51626A $45.00	HP 51625A		$48.00

Please add $5.00 for postage. Prices include sales tax.

TRI-SCAN Suite 23/105 Longueville Rd, Lane Cove NSW 2066 Tel: (02) 9418 9157 Fax: (02) 9428 3824

EC
ECOM COMPUTERS
Hardware Specialists
4/120 Military Road, Neutral Bay NSW 2089
PH: 9904 4400 FAX: 9904 0847

Pentium 120 $1299 P133 $1399 P150 $1549 P166 $1699
P166 MMX $1899 P200 MMX $2099 Pro 200 $2249
IBM 686 P133+ $1299 P150+ $1399 P166+ $1499, P200+ $1599

All systems include 1.2 GB HD, 16MB EDO RAM, 1MB PCI 64BIT Video, 1.44MB FDD, 8 SPEED CD KIT, 16BIT SOUND, Mini Tower Case, 14" Monitor, Mouse and Keyboard.

RAM 72 Pin			
4MB	$39	4MB EDO	$44
8MB	$69	8 Mb EDO	$75
16MB	$149	16Mb EDO	$159
32MB	$319	32 Mb EDO	$349
Ram 30 Pin			
1MB	$15	4MB	$69
Hard Disk Drives			
1.28 GB	$269	2.0Gb	$329
1.7 GB	$299	2.5 Gb	$359
3.2 GB	$449	3.8 GB	$499
Video Cards PCI			
Cirrus Logic 64 Bit 1MB			$45
S3 Trio 64V+ 1MB			$55
TSENG ET6000 2.25Mb MDRAM			$149
TSENG ET4000W32P 1MB			$75
Diamond Stealth 64 DRAM 1MB			$119
Diamond Stealth 3D with 2 Meg Ram			$199
Diamond Stealth 2mb VRAM			$349
Matrox Millenium 8 Mb WRAM			$799
CD-ROM Drives			
8x			$149
12x			$169
16x ACER	$199	16x GOLDSTAR 16MAX	$239
Sound Cards			
ESS 1868 16BIT			$55
Creative Vibra 16			$109
Creative SB16 PnP			$119
Creative AWE SB32 PnP			$199
Creative AWE 64 PnP			$299
CD ROM Kits			
ECOM 16-16xCD 16 Bit Sound, Speakers, 7 MSHOME CDTitles			$349
ECOM 12Pro-12xCD SB 16PnP, 7 MSHOME CDTitles			$349
120 Watt Speakers			$79
Monitors			
KTX 14" 0.31	$299	Sony 17" 0.25	$1599
Goldstar 14" 0.28	$349	Goldstar 17" 0.27	$950
MTC TX 15" 0.28	$429	ACER 17" 0.27	$849
Goldstar 15" Digital 0.28	$519	Sony 15" 0.28	$749
Goldstar 15" Multi Media with Speakers 0.28			$599
Samtron 15" 0.28	$599	NEC 15" C500 0.28	$499
Motherboards			
486/586			$119
Triton 11 430 HX Chipset 512Kb			$199
Triton VX Chipset 256 Kb			$159
Super Micro (for Pro 200)			$599
CPUs			
Pentium 200MMX	$949	AMD 586 133	$69
Pentium 166MMX	$649	AMD K5 PR 133	$149
Pentium 133	$249	P133+	$149
Pentium 150	$299	P150+	$199
Pentium 166	$549	P166+	$249
Pentium Pro 200	$999	P200+	$389
Printers			
Canon 210c Colour	$299	HP400 Colour *While last	$289
Canon 4200 Colour	$369	HP 5L Laser	$699
Canon 6200 Colour	$599	HP690c Colour	$399
CANNON 4550 A3	$699	HP870cxi Colour	$849
Epson Stylus 600	$499	PANASONIC LASER	$449
Epson Stylus 400	$399	OKI LASER	$399
Modems			
WEB Excel 33.6 Voice Ext	$179	WEB Voice 33.6 Internal	$149
Dynalink Ext 33.6	$189	Dynalink 33.6 Internal	$169
Roadster 33.6 Ext	$299	Netcomm 33.6 Internal	$179
Banksia Voice 33.6 ex	$299	16550 Uart I/O Card	$39
Miscellaneous	***THE ECOM SPECIALS SPOT***		
Jaz drive SCSI Internal with 1 GB Cartridge			$699
Zip Drive External Parallel or SCSI			$299
ARTEC AT6 MAC OR PC Flatbed Scanner 4800 DPI 30BIT			$399
MICROSOFT SIDEWINDER 3D PRO JOYSTICK **RECOMMENDED			$99
Notebooks			
Pentium 166MHz MMX, 11.3" TFT, 32MFEG, 1 GIG 10x CD			$4499
Includes 16Bit Sound, Mic, Speakers, PCMCIA Slots			
Pentium 100 MHz DSTN Colour 8M/540M from			$1999

**ALL TRADEMARKS HELD BY THEIR RESPECTIVE OWNERS
**ALL PRICES SUBJECT TO CHANGE WITH NOTICE

BULK INKJET REFILLS
PACIFIC INK
Specialists in Inkjet Solutions

Free Software Value $39*

*Exciting free Software Offer - Producing Profitable Results
Business Start-Up Solutions - Value $39 with every order

BLACK REFILL KITS ONLY $35.00
(# High Capacity Refill Kits $45.00)

PRINTER	NO. OF FILLS	COST PER FILL
CANON BJ30/70 BCI-10/11BK	30/80	$1.20/0.45
CANON BJ10, BJ200, BJ210, BJ230	7	$5.00
CANON BJ300/330	7	$5.00
CANON BJC600/610/620	15	$2.40
# CANON BJC4000/4100/4200/4550 BCI-21/20	50/8	$0.90/$5.65
# CANON BC40 PHOTOCOPIER BLACK	6	$7.50
EPSON STYLUS 400/800/1000	8	$4.40
EPSON STYLUS COLOUR / PRO / XL	6	$6.00
EPSON STYLUS 820 / COLOUR 11/11S	12	$2.90
EPSON COLOUR 200/500	12	$2.90
EPSON COLOUR 1500	2	$17.50
# HP DESKJET 400, 500 & 600 SERIES	7	$6.45
# HP 820C/850C/855C/870C	6	$7.50
HP DESKJET PORTABLE 300, 310, 340	8	$4.40
HP DESKJET 1200 B, Y, C, M	6	$6.00
# IBM 4076/LEXMARK	6	$7.50
OLIVETTI	8	$4.40
# XEROX 4004	6	$7.50

COLOUR REFILL KITS ONLY $45.00

PRINTER	NO. OF FILLS OF EACH COLOUR	COST PER FILL
CANON BJC70	60	$0.25
CANON BJC210	10	$1.50
CANON BJC600/610/620	8	$2.00
CANON BJC4000/4100 BCI-21	30	$0.50
EPSON STYLUS COLOUR / PRO / XL	6	$2.50
EPSON STYLUS 820/COLOUR/11/11S	12	$1.25
EPSON COLOUR 200/500	12	$1.25
HP DESKJET COLOUR 400, 500 & 600 SERIES	12	$1.25
HP 820C/850C/855C/870C	6	$2.50

BULK INK AVAILABLE
WEB: http://www.vds.com.au/pacific

Free Delivery

PHONE / FAX ORDERS & ENQUIRIES
(03) 9720 9946
Fast Service Same Day Dispatch
Cash, Money Order, Cheque, Credit Cards Accepted
PO Box 729, Heathmont, Victoria 3135

ATTENTION ARTISTS!

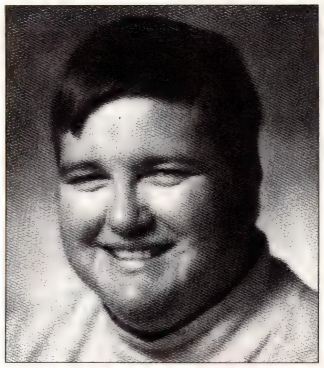
Does drawing with a mouse feel like drawing with a brick? Throw away that brick. With a **Wacom Graphics Tablet** and cordless **Ultra Pen** you will draw and paint like a pro.

Express yourself with Corel**Xara**, or Fractal Design **Painter**, **Sketcher**, **Poser** or **Dabbler**. Complete the picture with a 100MB Iomega **Zip drive**, or IGB **Jaz drive** to store your works of art.

For futher information and pricing call:

Story Bridge Creations
Ph: (07) 3254 2637; Fax: (07) 3254 2638
e-mail: joan_anderson@msn.com

Interrupt me, please!



ROSE VINES

There's something horrifying about my new computer. Something that, when I first discovered it, sent little warning chills up and down my spine. The 'something' is an absence of free interrupts.

Maybe you're not familiar with interrupts. If not, it's time you became at least superficially acquainted with them.

Interrupts are also known as IRQs, short for interrupt request and pronounced *I-R-Q*, not *Erk*. Interrupts are your hardware's means of getting the computer processor's attention.

Imagine your CPU merrily processing away recalculating a spreadsheet. While doing so, you click the Start button on the Taskbar in order to start a new program. When you click your mouse a message is sent to the processor saying "Hey, as soon as you have a few free nanoseconds, please notice me and attend to what I'm doing". That's an interrupt in action.

Much of your hardware uses interrupts to get the processor's attention: keyboard, mouse, system clock, serial and parallel ports, drive controllers, video cards, network cards, and so on.

Your IBM compatible computer has a fixed complement of 16 interrupts. I guess in the dim dark days of the PC's development no-one could conceive of the need for more than this.

Well, those days are long past, and we're now facing a problem that will become more and more urgent. Increasingly, new computers are being delivered with no spare interrupts. That means, unless you daisy chain SCSI devices such as scanners or hard disk drives, you can't add new hardware to your system without risking major conflicts.

Now, I'm a real fan of the PC. Although you can snipe at it for being harder to use than a Macintosh, that's really because it delivers ever so much more flexibility and control into the hands of the user. But PC architecture is in *urgent* need of updating.

There are, as you might suspect, people working on smarter PC hardware. But some of this development trips itself up. Plug and Play, for example, which was supposed to automate installation of new hardware, has been partly successful and partly a new headache. For instance, Plug and Play on my new computer *prevents* me from intervening in the hardware configuration process and averting problems I know exist. Instead, I boot up Win 95 and it insists on installing PnP drivers for any device it finds. It's fine when it works, but when you hit a snag, you need control back in your hands.

What we really need to see are hardware specs that match the current computing environment. That is, hardware that can handle computer systems that are multi-functional communications, business and entertainment devices.

Work on new ways to connect peripheral hardware to your computer system, including the Universal Serial Bus (USB) and IEEE 1394 (also known as FireWire) should bring relief. With these technologies, you'll be able to daisy chain all sorts of devices to your system. The USB spec says 127 devices, but we'll see what that means in practical terms when these products start to become generally available.

In the meantime, make sure you really check out that new system you're about to buy. Take a look at the interrupt list (double-click the System icon in the Control Panel, click the Device Manager tab, and double-click Computer at the top of the device list). Think about your future expansion needs. It's quite possible that all the things you normally think of when upgrading are looking good, but those pesky IRQs may bring you to your knees. ❑

Coming up

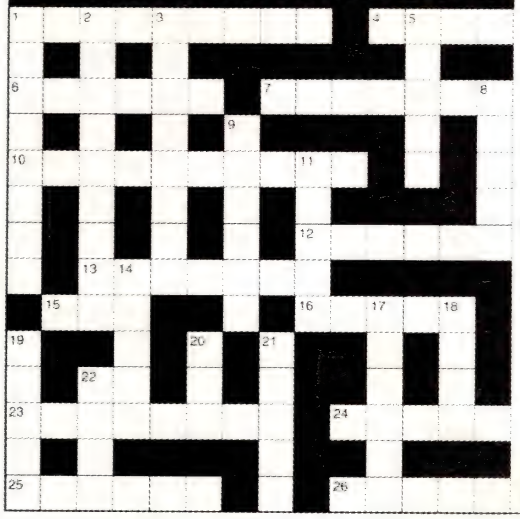
Trouble-shooting special

Solutions to the most commonly asked questions for the popular operating systems, applications and hardware.

The buyer's bible

Buying a PC, printer, modem or other hardware device? We've got the answers to your questions.

Computer Crossword No. 49



ACROSS

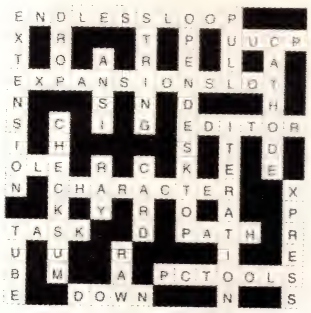
1. Impact printer (3,6)
4. PC brandname (4)
8. Founder of IBM (6)
7. — 97, Microsoft desktop information manager (7)
10. A computer with many processors (10)
12. A special key combination used to activate a TSR (3,3)
13. A feature of a quality keyboard (7)
15. A manufacturer whose products go to market under several brand names, abbv (3)
16. Warm boot (5)
22. Founder of Microsoft, initials (2)
23 and 24. Type of arithmetic where numbers are stored as a set of digits together with the power to which their base is raised (8,5)
24. See 23 Across (5)
25. Enter (6)
34. — speed, measure of microprocessor performance (5)

DOWN

1. The length of time during which a machine is unusable due to a fault (4,4)
2. 1000 gigabytes (9)
3. — coupler (8)
5. A cheap copy (5)
8. Jack St Clair —, inventor of the semiconductor (5)
9. — domain (6)
11. — net (5)
14. Home computer brandname (5)
17. The bars that enable smooth, continuous change of the screen display (6)
18. Movie famed for it's computer graphics (4)
19. A thin slice of silicon (5)
20. — Pro (3)
21. Connect to the net (5)
22. Start (4)

© A.WILLIAMSON PUBLISHING 1997

LAST MONTH'S SOLUTION



Price Pledge: We will beat any genuine price!*

See page 20
MasterClips 150,000 **$129.95**

See page 31
CleanSweep **$64.95**

See page 21
TurboCAD 2D/3D **$149.95**

See page 18
Procomm **$229**

CREATIVE PACIFIC AWE64 ONLY **$259**

See page 49

MAMMOTH May 97 Issue
64 Pages of the BIGGEST Discounts!

INTERNATIONAL
SOFTWARE WAREHOUSE Pty. Ltd.

THE SAFE WAY TO BUY - PART OF A $100 MILLION TECHNOLOGY COMPANY

Australia's lowest priced software & peripherals Guaranteed!

TurboCAD V.1 | WinDelete V.1 | MasterClips 1000 | Leonardo

PLUS - Choose a FREE gift with every order!*

See page 2

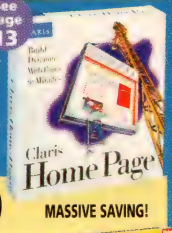
- Lowest Prices Guaranteed*
- Free Gift with Every Order*
- Massive Stock Holding
- Next-Day Delivery*
- Knowledgeable Sales Staff

*See page 2 for details

Borland C++ Builder
Rapid Application Development
ONLY $159

See page 15

Claris HomePage
The essential Web Authoring Tool
ONLY $99



See page 13
MASSIVE SAVING!

Norton AntiVirus Win95
Automatic Virus Removal
ONLY $85

See page 34
UNBEATABLE VALUE

Microsoft Office 97
Net-ready, easier-to-use and faster - The world's best selling office software just got better! Upgrade for as little as $349!

FROM $349

See page 7
Microsoft Office Pro Version shown

Lotus SmartSuite 97
The suite that brings the world to your desktop

FROM $345

See page 7

FROM $79

See page 5

Novell Intraware
For small businesses

New! 4 in 1 software bundle
ONLY $135

See page 31

Up to $400 off big brand peripherals!

Accura Message Modem V34
Hayes
ONLY $269

See page 47
MASSIVE SAVING!

Epson Stylus Color 600
Stunning printing!
EPSON
ONLY $499

See page 60
UNBEATABLE VALUE

Iomega Zip Drive
The small, portable solution in 1!
ONLY $299

See page 45
AMAZING PRICE!

International Software Warehouse carry over 3000 different lines

To Order Call FREEPHONE 1 800 150 084
OR via the Net, fax, post or at our factory outlet in Sydney

INTRODUCTION

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Order by Phone

Our sales team are ready to take your order from 9am to 6pm on Freephone 1 800 150084.
Place your order before 4pm and get FREE delivery of your goods next working day.
See below for conditions.

Order by Fax

If you would like to fax an order please complete the form below. If you qualify for a credit account then simply fax us your official purchase order on 02 9700 8801. All faxed orders received before 4pm will be dispatched that day if in stock.

Official Orders

Software Warehouse have a full team devoted to the needs of corporate customers. If you need advice on anything from licenses, and credit accounts to volume purchasing and site upgrades, call our corporate sales team to find out how we can help.

A-Z Index

By Product Manufacturer

3COM 43
Action 53
Adobe 23
Asymetrix 29
Autodesk 26
Banksia 47
Borland 15
Claris 12,13
Corel 25
Creative Pacific 49
CyberMedia 32
Dataflow 62,64
Dig. Workshop 27
Documagix 35
Dr. Solomon's 30
Edge 14
Epson 60
Fujitsu 60
Hayes 47
Hewlett Packard 59
Hilliard 63
Honeywell 54
Hotkey 40
IBM 13,17,35
Intuit 11
Image Depot 6
IMSI 20,21
Iomega 62
Kingston 51
Kiss 28
Kodak 54
Lexmark 58
Logitech 54
Lotus 7
MAUS 9
McAfee 33
Metatools 22
MGI 55
Micrografx 16,19
Microhelp 30
Microsoft 4
Netcom 47
Novell 42
NRG 52
Proscan 56
Quarterdeck 18,31
Quantum 61
Redeye 38
Seagate 61
Software Suppliers 36,37
Symantec 10
Targus 14
Touchstone 39
Umax 55
Visio 24
Xircom 48

Welcome to Software Warehouse!

Richard O'Neill
Managing Director

For over 8 years Software Warehouse has been offering the lowest prices on leading brand software and peripherals, direct to the public. International Software Warehouse is dedicated to giving Australia the same award-winning mail-order service for computer software and peripherals. Thanks to massive stocks and huge buying power, we can ship most items same day and offer enormous savings over manufacturers' retail prices. Our friendly, knowledgeable sales staff are always on-hand to offer advice, and we offer a FREE CD with every order - Just choose your title from the list below.

Thank you for taking the time to look through our advertisement, we look forward to doing business with you.

FREE EXPRESS DELIVERY*

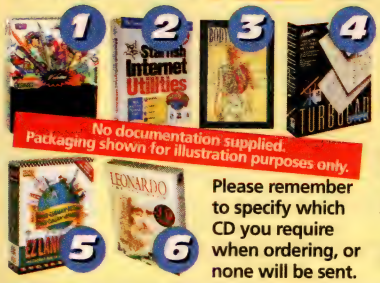
*For all orders over $200 under 3KGS - If not:

DUE TO INSURANCE REASONS GOODS CANNOT BE SHIPPED TO PO BOXES

Sydney Metro (O/N)	$6.95	(Any weight)
NSW, ACT, Victoria & Brisbane (O/N)	$9.95 $19.95	(Up to 5KG) (5KG+)
Rest Of Australia (1-4 Days**)	$9.95 $14.95 $39.95	(Up to 3KG) (3KG to5KG) (5KG+)

** Due to the the remoteness of certain parts of WA & the NT delivery may take up to 7 days in these areas

Choose a FREE CD with every order!



Please remember to specify which CD you require when ordering, or none will be sent.

1. **MasterClips 1000** - A collection of professional colour clipart.
2. **Starfish Internet Utilities** - Now for the first time it is possible to manage your diary, contacts, meetings and communications via the Internet.
3. **Bodyworks v3** - Learn all about the human body with this full featured multimedia guide. From your scalp to your toes, you'll learn how each part of your body functions.
4. **TurboCAD v1 Windows** - The most significant release of any CAD software this decade! Now includes a 3D module and 10,000 symbols.
5. **EZ language v1** - EZ Language Version 1 is the fun, easy vocabulary pronunciation tutor. In just minutes you'll be learning new ways to communicate in 7 different languages.
6. **Leonardo The Inventor** - A multimedia exploration of the life and works of Leonardo da Vinci (No 3D glasses)

Please Read Our Terms & Conditions

All orders are subject to our full terms and conditions of sale, a copy of which will be printed on the back of your invoice. If you would like to see a copy of our terms and conditions of sale prior to purchasing, please call our customer service department on the number below.

ORDERING:- All prices and offers are subject to change and availability. Errors and omissions excepted. All prices include Sales Tax. We do not charge credit cards until the goods are available for despatch. Please allow ten working days for cheque clearance. Goods ordered by fax or post will be charged at the current price on the day of receipt. For out of stock items, delivery dates given are only estimates.

CREDIT ACCOUNTS:- Accounts may be opened for Govt. Depts, Education and selected incorporated businesses, subject to status. Initial order value to open accounts must be in excess of $500. Credit account orders are only accepted on official stationery by fax or post. Credit accounts must be paid strictly within 30 days, and we reserve the right to withdraw credit facilities.

WARRANTY AND RETURNS:- Only Australian sourced goods are supplied. Goods are not supplied on a trial basis, please check specification and compatibility with the manufacturer prior to purchasing. Although our staff can offer advice, they cannot confirm compatibility. In the case of faulty goods, please contact our customer service department who will make arrangements for replacement. Such arrangements may involve you dealing with the manufacturer directly. If, within 30 days of purchase, but before opening the product, you decide the product is unsuitable please call us to arrange a returns number. We will refund the cost of the item minus a 15% restocking fee. We cannot accept non-faulty opened software for return, under any circumstances. All returns must be authorised by us, and must be returned in suitable packaging, bearing our returns number on the outside. Returns not complying with these terms will be refused. Where a manufacturer offers a money back guarantee, this will normally involve you sending the product back directly to the manufacturer, who will process the refund themselves.

PRICE PLEDGE:- Refers to Australian products available ex-stock. We will beat the advertised total cost (including delivery) subject to not selling below our cost price. We reserve the right not to beat prices or liquidated, end of line or OEM items, and will not match prices that have been printed incorrectly. The price pledge is only available at the time of ordering.

SPECIAL OFFERS AND FREE GIFTS:- All special offers are subject to availability, and may be in promotional packaging (packaging may refer to boxes, manuals, etc.) All photographs are for identification purposes only. Please remember to choose a free gift when ordering. If no gift is specified, none will be sent.

Cut out or photocopy and send / fax to:
International Software Warehouse Pty., 13 Bradford Estate, 10 Bradford Street, Alexandria, Sydney, NSW2015

Please tick this box if do not want to receive regular catalogues from Software Warehouse ☐

Qty.	Reference	Description	Price
1	FREE GIFT	See Page Two	FREE
			Delivery
			TOTAL

Please charge my VISA / MasterCard / AMEX ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Exp. Date ☐☐/☐☐

Remember! free gifts are not sent unless requested.

Signature _____
Name _____
(Company Name) _____
Tel No. _____
Fax No. _____

Address _____
_____
_____
_____
Post Code _____

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 5pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

LISTING

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

ACCOUNTS

MY0006 M Y O B Test Drive Win Cd $10
MY0001 M Y O B Accounting $369
AUS214 MS Money 97 3.5" $39
Feature Quickbooks V4 ..... PAGE 9
Feature Quicken 5.0 On CD ..... PAGE 9

CAD

Feature FloorPlan Plus CD ..... PAGE 21
Feature AutoCAD LT V2.O ..... PAGE 26
Feature AutoCAD LT WIN 85 ..... PAGE 26
COR133 Corel XARA $275
Feature AutoSketch 2.1 ..... PAGE 26
Feature Drafix QuickCAD ..... PAGE 26
Feature TurboCAD 2D/3D V3 CD ..... PAGE 21
Feature Turbo Cad Designer 2d/3d CD ..... PAGE 21

COMMUNICATIONS

CAR005 Carbon Copy V3 Win 3.1 ..... $160
CHE011 Cheyenne Faxserve NLM 5 User CD .. $579
ART038 Cosession Remote 7.0 PC Host $65
AUS152 Cosession Remote 7.0 Host & Viewer .$79
ART039 Cosession Remote 1 PC Viewer $65
ART020 Modem Share 7.0 1 Port $140
MIC428 Ms Exchange Internet Mail 4.0 ..... $629
MIC335 Ms Mail Server for Networks 3.50 .... $599
NOR016 Norton PC Anywhere 2.0 Win 3.5 ..... $185
NOR023 Norton PC Anywhere 2.0 Host Win .. $119
NOR024 Norton PC Anywhere 2.0 Remote Win $139
SYM031 Norton PC Anywhere 32 7.5 95/NTRemote $159
Feature PC Anywhere 32 7.5 95/NT Host .. PAGE 10
Feature Procomm Plus V3.0 Win 95/3.1 .... PAGE 18
DEL017 Wincomm Pro 1.1 ..... $119
SYM073 Winfax Pro V7 Win 95 CD $125
WIN039 Winfax Pro 4.0 3.5 ..... $119
DEL020 Winfax Pro 4.1 5 User 3.5 ..... $549
DEL024 Winfax Pro 4.1 10 User 3.5 ..... $929
SYM048 Winfax Pro 4.1 25 User 3.5 ..... $2099
WIN049 Winfax Pro 4.1 Net Starter Kit $369

DESKTOP PUBLISHING

Feature Adobe Pagemaker V6.5 95/NT CD .PAGE 16
AUS212 Adobe Pagemaker V6.5 U/G $199
MIC022 Micrografx Designer PowerPack CD .$185
Feature MS Publisher 97 CD ..... PAGE 4
PAG003 Serif Page Plus CD $64.95
QUA003 Quark Xpress V3.32 Win $1825

DATABASES

Feature Act 2.0 Win 3.1 3.5 ..... PAGE 10
BOR106 Borland Visual Dbase 5.5 U/G CD $199
PAR023 Borland Paradox 7 95/NT 3.5 ..... $365
PAR022 Borland Paradox 7 95/NT CD $365
PAR024 Borland Paradox 7 95/NT U/G 3.5 ..... $209
PAR025 Borland Paradox 7 95/NT U/G CD $209
BOR023 Borland Reportsmith 3.0 95/NT CD ... $199
Feature Claris Filemaker Pro 3.03 95/NT CD P.24
Feature Claris Filemaker Pro U/G ..... PAGE 24
LOT182 Lotus Approach 96 for Win 95 3.5 ..... $159
LOT062 Lotus Approach 3.0 Win 3.5 ..... $159
MIC285 MS Access Win 95 3.5 ..... PAGE 4
MIC373 MS Access 95 U/G/XGD 3.5 ..... $139
MIC425 MS Access 95 Dev Toolkit CD $619
MIC423 MS Access Dev Toolkit UG/XG CD $525
MIC090 MS Access 95 MLP $369
MIC148 MS Access V2 Win 3.5 ..... $319
MIC174 MS Access V2 Crossgrade Win 3.5 ..... $139
MIC091 MS Access V2 MLP $359
MIC076 MS Access Dev Toolkit V2 Win 3.5 ..... $419
MIC528 MS Access V2 Solutions Pk Win 3.5 ..... $59
MIC339 MS Vis/Fox Pro V3 UG/XG $119
MIC340 MS Vis/Fox Pro V5 95 NT CD $669
MIC655 MS Vis/Fox Pro V5 95 NT U/G CD $309
BOR114 Paradox 7.0 WIN 3.1/WFW 3.5 ..... $369
BOR113 Paradox 7.0 WIN 3.1/WFW CD $369
PAR025 Paradox 7.0 WIN 3.1/WFW C/G CD ..$239
Feature Tracker 2.0 (Stand Alone) ..... PAGE 8
SYM069 Q&A 4.0 Win 3.5 ..... $389
BOR105 Visual Dbase For 5.5 Win 3.5 ..... $359

EDUTAINMENT

BRO001 Maths Workshop CD Mac/Win CD $55
BOD009 Bodyworks 5.0 Win 95 CD $55
SOF096 Websters Encyclopedia Win CD $19
AUS298 MS Magicbus - Dino 1.0 Win 95 CD $55
AUS134 MS My Very First Storybook Mac/Win $35
MIC200 MS Schubert 1.0 Win CD $39
MIC124 MS Fine Artist 1.0 Win 3.5 ..... $39
MIC456 MS Magiccubes - Oceans 1.0 Win CD..$59
MIC214 MS Strauss 1.0 Win CD $39

EDUCATION PRICING

MIC282 MS Access 2.0 Win Edu 3.5. ..... $215
MIC637 MS Excel 95 7.0 Win Edu 3.5 ..... $215
OFF004 MS Office 4.2 STD Win Edu 3.5. ..... $349
MIC363 MS Office 95 STD Edu $349
MIC237 MS Powerpoint 4.0 Edu $215
MIC304 MS Project 4.0 Win Edu 3.5. ..... $249
MIC437 MS Vis/Basic Pro 4.0 Win Edu 3.5 ..... $119
MIC438 MS Vis/C++ STD 4.0 Win NT Edu CD. ..$59
MIC362 MS Windows 95 Edu 3.5 ..... $175
MIC361 MS Windows 95 U/G MLP Edu 3.5 ..... $79
WIN087 MS Win NT Client 3.51 MLP Edu. $29
WIN088 MS Win NT 3.51 Serv Edu CD. $465
MIC497 MS Word 95 7.0 Edu 3.5 ..... $215
MIC100 MS Word 95 7.0 MLP Edu $175
MIC357 MS Works 3.0 Win Edu CD. $65
MIC230 MS Works 4.0 Win Edu 3.5. ..... $65
BOR115 Paradox V7 3.1 WIN Edu 3.5. ..... $169
TUR009 Turbo Pascal V7 Dos Edu 3.5. ..... $79

GRAPHICS

COR178 Corel Presentations Win CD $119
COR054 Corel Photo Paint 5 plus CD $129
COR143 Corel Photo Paint 6 Win 95 ..... $309
COR012 Corel DRAW 4 CD Only $159
COR030 Corel DRAW 5 CD Only $649
COR031 Corel DRAW 3 To 5 U/G CD $549
COR122 Corel DRAW 6 For (CD) $689
COR124 Corel DRAW 5 To 6 U/G CD $369
COR123 Corel DRAW 3 & 4 U/G to 6 95 CD ...$589
Feature Corel DRAW 7 95/NT (CD) ..... PAGE 25
Feature Corel DRAW 7 95/NT U/G (CD) .... PAGE 25
COR132 Corel Flow 3 For Win 95 ..... $199
COR056 Corel Gallery 2 (15,000) $109
COR158 Corel Graphics Pack CD $229
COR054 Corel Photopaint 5 plus CD $239
COR143 Corel Photopaint 6 CD (95) $299
COR162 Corel Presentations CD (Win 3.1) $119
COR184 Corel Printhouse 1.1 Win (3.1/95) CD .$49
COR490 Corel Printhouse & Photohouse $79
COR046 Corel Ventura V5 CD $499
COR044 Corel Ventura V5 U/G CD $149
MAC133 Coral XARA $289
MAC016 MacroMedia Director 4.0 ..... $1239
SER006 Serif Pub Power Suite 3.1/95/NT CD ...$99
QUA030 Hijaak Graphics Suite 3.0 CD $169
HIJ002 Hijaak 95 CD $79
Feature Kai Power Tools V3 Win95/NT ..... PAGE 15
LOT005 Lotus Freelance V2.1 Win 3.5 ..... $529
AUS170 MacroMedia Action! 3.0 ..... $389
MAC018 Macr/Director Multistudio $1599
MAC023 Macr/Director Multistudio U/G $899
MAC016 Macromedia Director V5 ..... $1309
MAC010 Macromedia Freehand $609
Feature MasterClips 150,000 CD ..... PAGE 20
Feature MasterClips 101,000 CD ..... PAGE 20
MED003 Media Studio $379
MGF007 Micrografx Business 95/NT CD $89
MGF002 Micrografx Draw 5/Gra/print studio ...$59
Feature MS 3D Movie Maker 1.0 W/95 CD .PAGE 4
MIC156 MS Powerpoint 4.0 U/G CCP WIN 95 $149
MIC295 MS Powerpoint Win 95 3.5. ..... $329
MIC297 MS Powerpoint Win 95 U/G 3.5 ..... $145
PHO001 Photofinish 4.0 Win CD $59
Feature Visio 4.0 3.5 & CD ..... PAGE 24
VIS055 Visual Reality V2.0 CD $209
COR140 Corel Internet Mania $35

INTERNET

COR185 Corel Web Designer CD $169
COR301 Corel Web Graphics Suite 1.0 CD $299
SYM020 Cyberjack 7.0 Win 95 CD $85
AUS141 Internet Fast Find 1.0 95/NT CD $65
AUS297 Internet Suite 2.0 CD $59
Feature Micrografx Webtricity ..... PAGE 19
MIC900 MS Internet Exp/Starter 3.0 CD $25
MIC093 MS Internet 1.1 Win 95 3.5. ..... $139
Feature MS Frontpage 97 CD ..... PAGE 4
SYM039 Symantec Cafe 1.5 95 /NT CD $149
Feature Claris Works Office 4.0 Win 95 3.5 ..... P.13

INTEGRATED

CLA006 Claris Works 3.0 Win 3.5 ..... $109
CLA176 Corel Wordperfect Suite 7 Win 95 ..... $405
CLA160 Corel Wordperfect Suite 7 Win 3.1 ..... $405
Feature MS Office 97 ..... PAGE 4
Feature MS Office 3.1 ..... PAGE 4
WOR064 MS Works V3 U/G $60
WOR063 MS Works V3 Win $70
LOT106 Lotus Smartsuite CD Trade Up $349
LOT143 Lotus Smartsuite 96 Win 95 U/G CD .$349

LANGUAGES

Feature Borland C++5.0 Desktop CD ..... PAGE 15
Feature Borland C++ Dev Suite X/G CD ..... PAGE 15
Feature Borland Delphi Desktop 2 CD ..... PAGE 15
BOR140 Borland Pascal 1.5 Win 3.5. ..... $255
TUR060 Borland Turbo Assembler 5.0 3.5 ..... $139
MIC274 MS Fortran Power/St 1.0/NT $709
MIC236 MS Visual Vis-Basic Pro 4.0 U/G 3.5..$109
Feature MS Visual Basic 4.0 Win 95 ..... PAGE 4
Feature MS C++ 4.0 Pro U/G Cd ..... PAGE 4
Feature MS Vis C++ 2.0 U/G License ..... PAGE 4
Feature MS Vis C++ 4.0 Win CD ..... PAGE 4
MIC486 MS Visual J++Pro 1.0 95 NT CD $119
MIC188 MS Visual Tools Suite 1.5 Win 3.5. ..... $369
TUR005 Turbo C++ 3.0 Dos Dual $159
TUR064 Turbo C++ 4.5 For Win CD $129
TUR003 Turbo Pascal 1.5 Win U/G 3.5 ..... $215
TUR008 Turbo Pascal 7.0 U/G 3.5. ..... $145

LEISURE

AUS171 Arcade America Win CD $49
AUS172 Car Builder Win CD $65
AUS173 Casino Master Multimedia Win CD $55
AUS174 Close Combat Win 95 CD $65
FAM003 Fam/Tree Maker 3.0 3.1/95 CD $95
FAM004 Fam/Tree Maker 3.0 Win 3.5 ..... $65
FAM005 Fam/Tree Maker Delux II Win 95 CD .$159
RSO05 F/P Learning in Toyland 3.1/95 CD $55
AUS049 F/P Pirate ship Adventures 3.1/95 CD..$55
BBD008 Green Eggs and Ham Win CD $49
LIF001 Life's Greatest Mysteries Win CD $59
AUS175 Midnight Rescue! Win CD $65
Feature Monopoly CD ..... PAGE 64
PIN021 Monty Pythons Quest for Holy Grail...$79
MYS001 Myst with Strategy Guide Cd $69
MIS010 MS Art Gallery 1.0 Win CD $59
MIC180 MS Best of Ent Pak 1.0 Win 3.5. ..... $29
Feature MS Golf 3.0 Win 95 CD ..... PAGE 4
Feature MS Hellbender Win 95 CD ..... PAGE 4
MIC525 MS Wine Guide 1.0 Win CD $39
AUS176 Piper Win CD $65
RIS500 Risk Win CD $55
AUS177 Rob Roy Win CD $49
TRI006 Triazzle Win CD $35
AUS123 Trival Pursuit Win CD $59
SOF019 Total Health Body & Mind Win CD $55
BRO004 Carmen Sand 3.0 3.1/95 CD $55
BRO005 Carmen Sand Jr Win CD $45
YOU002 You Don't Know Jack Win CD $45

NETWORKING

MIC464 MS NT Workstation 4.0 CD $409
MIC486 MS NT Workstation 4.0 U/G CD $189
MIC500 MS NT Workstation 4.0 MLP $349
WIN055 MS NT Server 3.51 3.5 ..... $935
MIC224 MS NT Server 3.51 CD $935
WIN080 MS NT Server Client 4.0 MLP $49
MIC464 MS NT 4.0 Workstation CD $399
MIC486 MS NT 4.0 Workstation U/G CD $189
MIC493 MS NT 4.0 Server & 10 Client CD $1419
MIC495 MS NT 4.0 Server & 10 Client U/G $679
Feature LANtastic 7.0 2 User Starter Kit .... PAGE 41
Feature LANtastic 7.0 1 User CD ..... PAGE 41
Feature LANtastic 7.0 10 User CD ..... PAGE 41
Feature LANtastic 7.0 Unlimited User CD .. PAGE 41
NOV133 Intranetware 3.12 5 User CD $1199
NOV152 Intranetware 3.12 10 User CD $2729
NOV140 Intranetware 3.12 25 User CD $4039
NOV158 Intranetware 3.12 50 User CD $5469
NOV136 Intranetware 3.12 100 User CD $7659
NOV161 Intranetware 3.12 250 User CD $13669

OPERATING SYSTEMS

MIC925 Windows 95 3.5 ..... $285
MIC086 Windows 95 MLP $239
IBM004 IBM PC DOS 7.0 (U/G) 3.5 ..... $79
DOS017 MS DOS 6.22 MLP U/G $59
DOS011 MS DOS 6.22 U/G 3.5 ..... $69
WIN029 MS Wfwg 3.11 U/G Addon $65
WIN021 MS Wfwg 3.11 Base 3.5 ..... $69
Feature OS/2 Warp 4 (CD) ..... PAGE 13

Price Pledge
If you can find it cheaper call us. We will beat any genuine advertised price subject to terms and conditions on page 2

PROJECT MANAGEMENT

ORG001 Org Plus 3.0 3.1/95 3.5 ..... $199
KEY009 Key Project Manager Win 3.5 ..... $39
MIC157 MS Project 4.0 (Win 3.1) 3.5 ..... $689
MIC184 MS Project 4.1 U/G Win 95 3.5 ..... $189
MIC462 MS Project 4.1 MLP Win 3.1 ..... $669
MIC375 MS Project 4.1 MLP $589

SPREADSHEETS

COR163 Corel Quattro Pro 6.0 Win 3.1 CD $119
LOT108 Lotus 123 5.0 Win Trade Up CD $189
EXC004 MS Excel 5.0 Win 3.5 ..... $329
MIC286 MS Excel Win 95 3.5. ..... $339

UTILITIES

ADO022 Adobe Acrobat 3.0 Win & 3.5" $319
ARC018 Arcada Backup Win NT Server $750
ARC020 Arcada Backup Win 95 1.1 ..... $110
ARC014 Arcada Backup Win 95 U/G. $69
ARC553 Arcserve V5.x for Netware 10 User ..$749
ARC031 Arcserve V6 Netware Enterprise $2199
ARC025 Arcserve V6 for Netware Wrgp $869
ARC029 Arcsolo For Win 95 ..... $189
SOF068 Address Book Maker Win 95 ..... $39
Feature Asymetrix Digital Video Prod ..... PAGE 29
Feature Cleansweep 97 ..... PAGE 31
Feature Dr Solomons ..... PAGE 30
Feature Fastmove ..... PAGE 39
Feature First Aid 95 ..... PAGE 32
LAB003 Label Unlimited Win 95 CD $59
AUS111 Lotus Organizer 97 ..... $99
Feature MagnaRAM 95 ..... PAGE 31
Feature McAfee Virus Scan ..... PAGE 33
MIC298 MS Schedule + For Win 95. ..... $105
Feature Norton Antivirus V3 Win/CD ..... PAGE 34
Feature Norton Utilities / Win 95 ..... PAGE 34
Feature Norton Utilities Win 95 CD ..... PAGE 34
POW022 Partition Magic $109
Feature PC-cillin 95 ..... PAGE 39
Feature PC Handyman ..... PAGE 34
SUP022 Xtree Gold 3.0 ..... $139
Feature Uninstaller V4 ..... PAGE 30
Feature Wincheckit V4 ..... PAGE 39
Feature Windelete V3 ..... PAGE 21
Feature Winprobe V4 ..... PAGE 31

UTILITIES – SCREEN SAVERS

AFT007 After Dark Win 95 CD $35
MIC232 MS Scenes Flight 2.0 Win 3.5. ..... $29
MIC382 MS Scenes Nature 2.0 Win 3.5. ..... $29
MIC384 MS Scenes Wildlife 2.0 Win 3.5. ..... $29
MIC387 MS Under Sea Scenes 2.0 Win 3.5 ..... $29
STA030 Star Trek Next Generation CD $55
TWI002 Totally Twisted After Dark 3.5 ..... $45
SIM020 The Simpsons Screen Saver $45

WORD PROCESSING

ADO004 Adobe Type Manager V3.0 ..... $69
LOT113 Lotus Word Pro 96 for Win 95 3.5 ..... $149
MIC144 MS Word 6.0 Win 3.5. ..... $339
MIC229 MS Word 95 3.5. ..... $339
WOR077 Wordstar V2 3.5 ..... $79.95
SOF144 Wordstar V2 U/G 3.5 ..... $59.95
AUS295 Typequick $69

PERIPHERALS

SEE PAGES 43-62 for the hottest deals on peripherals. If you can't find what you want please give us a call!

MODEMS PAGE 46
MEMORY PAGE 51
STORAGE PAGE 60
NETWORKING PAGE 41
SCANNERS PAGE 55
INPUT DEVICES PAGE 52
CONSUMABLES PAGE 59
PRINTERS PAGE 58

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

Price Pledge — We will beat any advertised price on any identical product. Subject to terms & conditions ††

Free Gift — With every order choose a free gift from the selection on page 2.

Fast Delivery — Overnight delivery on 90% of orders.

Free Delivery! — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.

Nationwide Delivery — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.

Massive Stocks — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.

All Welcome! — We always service the individual buyer, small business and large corporation to the same high standard.

No.1 Service — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

MICROSOFT

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

NEW! Microsoft Office 97!

Get organised, get connected & get great results fast!

FROM **$345!**

Guide to MS Office pricing

If you have ten PCs or more then call our corporate team as you will be able to make substantial savings by entering into a MOLP agreement. If you are looking for single copies or small quantities please refer to these charts.

Upgrade: If you currently use any version of either MS Word, MS Excel, MS Access, MS Powerpoint or MS Works then you qualify for the upgrade.

Competitive Upgrade: If you currently use a Lotus product, Corel, Harvard or other major competitive products you qualify for an upgrade price - call for details.

New User: If you do not qualify for either of the above then new user pricing applies.

Office 97	New User		Upgrade or Comp. Upgrade	
Standard	MIC628	$649	MIC629	$345
Pro Free MS Bookshelf Basic	MIC631	$775	MIC632	$439
Pro & Microsoft IntelliMouse Free Microsoft Bookshelf Basic			MIC648	$469
Developer	$Call			$Call

Please note: Office 97 is ONLY available on CD. Disk exchange is available via Microsoft for a small charge

Microsoft Word 97

Microsoft Word 97 sees major improvements with developed intellisense complete with new grammar checking

MIC647 Microsoft Word 97 ..... $319
MIC646 Microsoft Word 97 U/G $139

Microsoft Excel 97

New in Excel 97 are drag and drop page breaks, auto-resizing when you print and text rotation.

MIC637 Microsoft Excel 97 ..... $319
MIC638 Microsoft Excel 97 U/G $139

Microsoft Outlook 97

Outlook is designed to help you easily manage your desktop including email, a calendar, contacts and files/documents all from a common work area.

MIC642 Microsoft Outlook 97 ..... $129

Office for Win 3.1	New User		Upgrade		Comp. Upgrade	
Standard V.4.2 3.5"	MIC129	$629	MIC139	$349	MIC136	$349
Professional V.4.3 3.5"	MIC168	$749	MIC173	$439	MIC189	$439
Professional V.4.3 CD	MIC178	$749	MIC179	$495	MIC553	$495

Microsoft PowerPoint 97

New drawing and charting features, seamless web integration via Explorer 3.0 and an improved interf make your PowerPoint presentations quicker to produce and deliver even more impact!

MIC644 MS PPoint 97 ..... $31
MIC643 MS PPoint 97 U/G $13

FrontPage 97

Professional website publishing complete with several Web Wizards, (programs that prompt a us for information and generate a web site or page) plus over twenty page templates.

MIC640 Microsoft FrontPage 97 ..... $13
AUS203 MS FrontPage 97 U/G $6

Microsoft Access 97

Microsoft Access 97 supports the all new Office 97 interface and is now even more powerful.

MIC635 MS Access 97 ..... $31
MIC634 MS Access 97 U/G $13

Microsoft Publisher 97

MS Publisher 97 makes creating professional newsletters, flyers, brochures, compliment slips and Web pages quick and easy through it's automated design wizards.

MIC532 MS Publisher 97 ..... $95
AUS206 MS Publisher 97 U/G $95

The lowest prices for Microsoft software in Australia

Microsoft Windows 95!

Over a year into Windows 95 and it has never been out of the top two selling products in the Software Warehouse Charts! This ground-breaking upgrade to Microsoft Windows replaces Windows 3.1.

WIN072 MS Windows 95 on CD U/G $139
WIN071 MS Windows 95 on 3.5" U/G $139

MS Windows NT Workstation 4.0

3.5

Combines the ease of use of Windows 95 with the power of Windows NT.

MIC464 MS Windows NT Workstation 4.0 ..... $399
MIC486 MS Windows NT Workstation 4.0 U/G $189

Microsoft Visual J++

Microsoft® Visual J++ gives you everything you need to create the best Java™ applications - fast.

MIC485 Visual J++ $119

Microsoft Visual C++

MIC371 Visual C++ V4 CD Pro Intel Version CD $499
MIC562 Visual C++ V4 Standard CD (NEW!) $125
MIC370 Visual C++Pro V2 U/G $325
MIC369 Visual C++ Pro V4 NT U/G $239

Microsoft Visual Basic

MIC326 Visual Basic Std V4 U/G $65
MIC327 Visual Basic Std V4 3.5 ..... $119
MIC329 Visual Basic Pro V4 U/G CCP 3.5 ..... $105
MIC330 Visual Basic Pro V4 U/G CCP CD $105
MIC332 Visual Basic Pro V4 X/Grade $345
MIC328 Visual Basic Pro V4 CD $625
MIC334 Visual Basic Enterprise U/G CD $654

3.5

MIC333 Visual Basic Enterprise 4 CD $1299

Microsoft Encarta 97 Encyclopedia/World Atlas

Specially designed for the UK, Microsoft Encarta 97 Encyclopedia and World Atlas English Editions are up-to-date and comprehensive sources of reference and information for the whole family. Bring a world of information to life with Encarta

MIC516 Encarta 97 Enc $59
MIC517 Encarta 97 Atlas $59

MS Picture It!

Save the moments, share the memories with Microsoft Picture It! and your pictures, you can dazzle family and friends with greetings cards, calendars, collages, album pages and more, complete with backgrounds and templates.

MIC539 Picture It! $99

MS Greetings Workshop

Create the quality of Hallmark at home! Easily create Hallmark-quality cards, announcements, calendars, certificates, banners, signs, and more with your home computer and Microsoft Greetings Workshop!

MIC538 Greetings Workshop $35

MS Cinemania

The best selling movie guide that has the critics talking,it has the latest reviews from the most well-known critics, combined with celebrity tours, famous movie and audio clips, and FREE monthly online updates through to September 30th 1997, to keep your information current.

MIC521 MS Cinema $37

Hot New Kids Titles CD

MS Creative Writer 2.0

The desktop publisher for kids that's packed with writing & drawing tools.

MIC526 MS Creative Writer $37

Magic School Bus Dinosaurs

Go on a thrilling dinosaur search today!

AUS298 MS Magic SchoolBus Dinosaurs $59

MS 3D MovieMaker

Create your own Nickelodeon movies with your favourite Nick characters

MIC528 MS3D MovieMaker $49

New Microsoft leisure titles

The Neverhood	Goosebumps	NBA Full Court Press
STOCK CODE MIC598 $59	STOCK CODE MIC597 $49	STOCK CODE MIC508 $59
MS Golf V3	**MS Football**	**Monster Truck Madness**
STOCK CODE MIC512 $59	STOCK CODE MIC515 $59	STOCK CODE MIC513 $59
HellBender	**Deadly Tide**	**Flight Simulator**
STOCK CODE MIC509 $59	STOCK CODE MIC510 $59	STOCK CODE MIC511 $59

MS Sidewinder Pro/Hellbender

Digital precision - deadly accuracy!

MIC544 MS SideWinder 3D Pro & HellBender $109
MIC355 MS SideWinder Pro $86
MIC546 MS SideWinder Game Pad $75
MIC349 MS SideWinder Standard $45

MS Keyboard and Mice

Ready for Windows 95

MIC205 Microsoft Natural Keyboard $79
AUS168 MS Home Mouse $39
MIC542 MS IntelliMouse $89

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

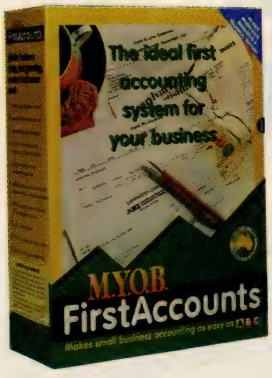
INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

BUSINESS SOFTWARE

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

M.Y.O.B. Award-winning accounting software for all types of Australian businesses!

The M.Y.O.B. Family of Accounting products share a common aim - make real accounting power accessible by everyone. With M.Y.O.B. you will get on top of your accounts fast - no need to wrestle with debits and credits. M.Y.O.B. makes it easy - simply fill out familiar forms (cheques look like cheques, invoices on screen look just like they do on paper). Meanwhile M.Y.O.B. maintains full double-entry journals - just how your accountant wants - behind the scenes!



M.Y.O.B. FirstAccounts

The ideal first accounting system for your home based or small service business. With M.Y.O.B. FirstAccounts you can easily; track income and expenditure, reconcile bank statements, create and print invoices, statements and purchase orders, track who owes you money and who you owe. Produce Profit and Loss and other key reports with a mouse click.

Outgrown Quicken or MS-Money?

Unlike personal finance programs M.Y.O.B. FirstAccounts is designed exclusively for businesses. You can easily move up to M.Y.O.B. FirstAccounts without re-entering any transactions.

And if, as your business grows, you want more you can easily upgrade to M.Y.O.B. Accounting or M.Y.O.B. Accounting with Payroll - no need to rekey, no need to retrain staff.

STOCK CODE: MYO010 **$259**

M.Y.O.B. Accounting

Bulging with powerful features, yet is just as easy to use as all M.Y.O.B. products. It's the perfect partner for growing businesses and has class-leading reporting, inventory and purchasing management as well as unmatched flexibility.

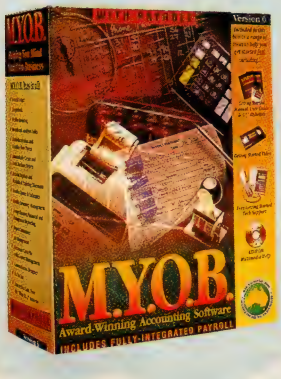
Features include;

General Ledger, Chequebook, Sales & Receivables, Purchases and Payables, Powerful Inventory management with automatic build, buy and back-order. Includes over 100 management and financial reports.

"...a fun, flexible package that balances functionality with ease of use."

Price Waterhouse report, PC Magazine

STOCK CODE: MYO001 **$369**



M.Y.O.B. Accounting with Payroll

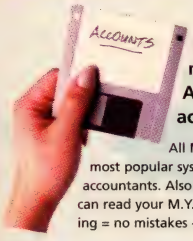
All the power and flexibility of M.Y.O.B. Accounting plus a fully-integrated Payroll - process your payroll and the rest of your accounting system is instantly updated. Your payroll is an integral part of your accounting system as it impacts your general ledger and bank accounts - **your payroll should be integrated.** Calculates PAYE deductions, superannuation, holiday and sick leave. Prints group certificates, paycheques and generates file for your bank to auto-pay staff via bank transfer. Includes comprehensive multi-level password protection - control access to every single window.

STOCK CODE: MYO004 **$555**

Published by Data-Tech Software.
• Internet http://www.datatech.com.au/ • Email info@datatech.com.au

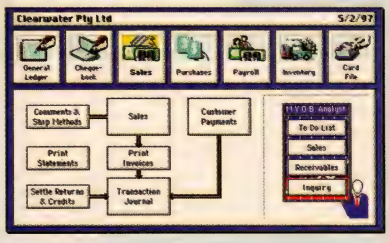
M.Y.O.B. products put key business information at your fingertips so you -

- Always know where you stand financially
- Make the most of your cashflow - pay bills only when they are due, never miss early payment discounts
- Track your worst payers - avoid bad debts
- Minimise stock holdings and expenses, maximise sales - improve your profit!
- Know how much you owe the tax office months in advance



Save time and money - give your Accountant your accounts on disk.

All M.Y.O.B. products support the most popular systems used by Australian accountants. Also thousands of accountants can read your M.Y.O.B. files directly. No rekeying = no mistakes + faster turnaround!



Award-winning Flow Chart interface puts everything at your fingertips - helps novices learn business procedures.

Australian BEST BUY PC User

Editors' Choice Home Office Computing PICK

PC World Best Buy

Just some of the many awards won by M.Y.O.B. products - the most awarded accounting software ever!

What the press are saying

"M.Y.O.B. offers a feature-rich product in an accessible package." **Australian Personal Computer**

"M.Y.O.B. offers a good balance between usability and accounting functionality. It's designed around the revolutionary idea that business systems should go beyond accounting tasks and help people manage their business in other ways." **PC Magazine**

"Let's say you're not an accountant, but you need the power of accounting software. Then what you need are the plain-English pleasures of M.Y.O.B....(It) stands out as software that makes you smarter."

Home Office Computing

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

Price Pledge — We will beat any advertised price on any identical product. Subject to terms & conditions P2

Free Gift — With every order choose a free gift from the selection on page 2.

Fast Delivery — Overnight delivery on 90% of orders

Free Delivery! — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.

Nationwide Delivery — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.

Massive Stocks — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.

All Welcome! — We always service the individual buyer, small business and large corporation to the same high standard.

No.1 Service — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

BUSINESS SOFTWARE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

It's your business to teach your child

SCOPS

Special SoftWare Warehouse offer - Buy 1 and get 1 Free

IMD100	Twins in trouble	$49.95
IMD103	The Emp.N Clothes	$49.95
IMD104	Strawberry Magic	$49.95
IMD105	My fearless friend	$49.95
IMD101	Wall leaves home	$49.95
IMD102	The frog Prince	$49.95

Twins in trouble

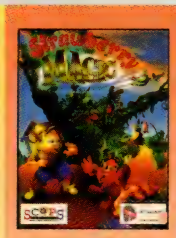
Twins in Trouble is a quest-style game based on the adventures of Tom and Jenny. One of the twins is kidnapped by goblins who want sole dominion of the forest. The aim is to find and rescue the twin.

Suitable for ages 5–7

The Emperors new clothes

Hans Christian Andersons famous tale of comes to life in a multimedia special. 13 different screens contain many clever hidden secrets to surprise and entertain.

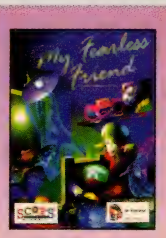
Suitable for ages 6+



Strawberry Magic

A 3-D interactive game where the player is transported through Magic Land on an enchanted journey in search of magic tricks. A strawberry takes Ronny to magic land to teach him magic tricks.

Suitable for ages 5+



My fearless friend

A unique quest-style game which helps young children confront and overcome their childhood fears. Jammie discovers a creature under his bed and is very scared, but soon learns that the creature is scared too...

Suitable for ages 5+

Wall leaves home

Wall suffers all sorts of indignities in the course of everyday life and decides to pack his bags. The story unfolds through 13 fully interactive screens in his quest to find what he's looking for.

Suitable for ages 6+

The Frog Prince

The Brothers Grimm classic fairytale is brought to life with 15 interactive, funfilled, cartoon style screens containing many hidden surprises. The Frog Prince storybook allows the child to choose whether to play or just read.

Suitable for ages 6+

Accent Duo Translation Assistant

Accent and Globalink make it easy for you to conduct business around the world, study language, or correspond with family and friends. This easy to learn, fun to use, unique software will suit your everyday needs.

Compose documents in English or German, with optional on-screen keyboard maps, customize your screen's interface – menu languages and dialog boxes, to either German or English. Assistant helps you quickly translate words, lines paragraphs or entire documents from English to German or visa versa. Conveniently import existing documents from Word, WordPerfect, Ami Pro, Exel or Lotus123 for immediate use and translation. Supports documents in all Western European languages, with optional on-screen keyboard maps in every language.

Bilingual Word processing features:

- Online help
- Spell checkers
- Thesauruses
- Hyphenation

Additional Globalink translation features:

- Reference tools for writing and studying
- Translation options – either one keystroke for an entire document, or interactive translation for greater accuracy
- Conjugations for over 3,000 verbs
- On line bilingual dictionaries
- Grammar help

NEW PRODUCT

Stock code IMD106

$89.95

Advanced features

- Tables with text wrap in cells
- Custom borders and shading
- Columns
- sections
- Font preview box
- In-line graphics
- Encryption
- Template
- Print merge
- Object oriented style sheets
- Hidden text
- Draft mode
- Word count
- Headers
- Footers
- Paste special
- Paragraph boarders
- Autosave
- MDI
- Undo
- Character spacing
- 17 background & foreground colours
- Custom zoom
- EPS, PCX, TIFF, GIF, WMF, BMP graphic formats

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

The first database for dummies

First software product to enable small business and organization users without programming skills to create their own custom business applications and manage documents related to the information. Employing a friendly graphical interface, any user can build custom database solutions complete with multi-database links by simply dragging icons representing flat data tables that cover the users business process. In a matter of moments the user can create business applications that are fully linked to invoices, customers, inventory, sales people, etc.

How it works

easyBASE lets the user describe the topics they want to track, such as customers, orders or invoices, as the flat database tables arrange as organizational charts in a graphic interface. There is no need to define links between the individual tables as in relational databases. easyBASE's technology infers all the required database links automatically from the organizational chart. Once the user has described his/her business as an org chart, clicking on the chart transforms it to application screen forms and reports and enables immediate data entry and retrieval of database records and desktop documents. easyBASE enables end-users, without any database experience, for the first time to create their own solutions . The traditional bottleneck and costly process of developing database applications is reduced to child's play.

- Designed for end-users without database experience
- Enables custom multi-database queries, forms and reports without programming
- New database linking technology uses simple flat databases arranged in an org. chart to replace complex relational schema
- Up to 600 x 600dpi Print Quality

Stock code IMD107

NEW PRODUCT

$159

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Lotus SmartSuite 97

The only desktop solution for your team!

SmartSuite 97 delivers a complete set of up-to-date, 32-bit applications specifically designed to take advantage of Windows 95 and Windows NT. Each application provides support for long file names, drag and drop, multi-tasking, and many of the other features of these advanced operating environments.

Designed to take advantage of Windows 95 & Windows NT

BRAND NEW version of SmartSuite 97

Office suites have changed substantially since the category in the late 1980s. From loose collections of applications, such as spreadsheets, word processors and databases, suites have evolved to offer consistency among applications, cross-application integration, and streamlined access to applications, files and tools. Since mid-1995, however ,several market and technological forces have changed the way suites need to work today:

- **Internet/Intranet:** the striking popularity of the Internet has piqued users' interest in harnessing Interest-based information in business. SmartSuite 96 was the first suite to deliver specialised tools for finding, publishing, and sharing Internet information, and Lotus continues to innovate in integrating Internet use with "everyday work" with SmartSuite 97.

- **Working as a Team:** Businesses have team members all over the world. The ability to use software to work collaboratively has made suite users eager for more dedicated tools that make it fast and easy for teams of co-workers to create, review, refine and publish documents of all types. SmartSuite 96's "Team Computing " features defined the standard for desktop-based collaborative tools, and Lotus continues to lead in this area.

- **Up-To-Date** Technology and tolls: The availability of 32-bit operating systems, including Windows 95 and Windows NT, provides the technical foundation for delivering advanced workflow, cross-applications automation, and more aggressive exploitations infrastructures. SmartSuite 97 provides a full suite of 32-bit applications which exploit the operating environments.

- **Access to information from Anywhere:** Businesses need to access information from anywhere – the Internet, proprietary databases, host systems, line-of-business software, real-time data, and the full spectrum of PC-based file types . SmartSuite provides tools to find and retrieve all of the information users need.

- **One size Does Not Fit All:** Businesses know what is best for them, and work the way they need to. Lotus knows that the "one size fits all" mentality does not fit in today's business world. Users need to personalise their application software, developers must build custom business solutions, and IS managers require more control of software deployment across organisations. SmartSuite 97 provides new features that accommodate each of these groups.

Full Exploitation of Windows 95 and NT

Windows 95 and Windows NT 4.0 have created a new set of expectations for the look and behaviour of applications. SmartSuite 97 is fully integrated with both of these operating systems, and builds on them to make the user's migration to Windows 95 and NT-based applications as productive as possible. SmartSuite applications deliver:

- The Windows 95 and Windows NT look and feel
- Support for long file names and Universal Naming Convention (UNC) paths
- Advanced OLE 2 automation
- 32-bit performance and enhanced memory management

Every application in the suite includes a host of innovations and improvements designed to help users:

- Increase their individual productivity
- Access data from anywhere
- Leverage the power of the Internet and Intranets
- Customise applications to work the way they want
- Share and collaborate more efficiently

SmartSuite 97 provides a full suite of 32-bit applications which exploit the operating environments.

Surf the Net with Lotus® SmartSuite®!

The suite that brings the world to your desktop!

SmartSuite 97

- **Lotus 1-2-3 97** is a completely redesigned, 32-bit spreadsheet that delivers a host of new and enhanced capabilities to automate everyday tasks and simplify processes.

- **Lotus Word Pro 97** provides users all the tools they need to quickly and easily create powerful, compelling, great-looking documents.

- **Lotus Approach 97** leads the database world in delivering an unparalleled combination of ease-of-use and power.

- **Lotus Freelance Graphics 97** continues its long tradition of simplifying the creation and delivery of highly effective presentations.

- **Lotus Organiser 97**, the award-winning personal time management system, is now a complete 32-bit product with support for Windows 95 and Windows NT.

- **Lotus ScreenCam 97** is a fast, easy way for users to show what they mean when they can't be there in person. With ScreenCam, a PC acts as a VCR to record every on-screen click, scroll, and action. Captions and sound can be added to create mini-movies, delivering marketing messages, on-line tutorials, or product demonstrations. These on-line movies can be shared with anyone, even if they do not have ScreenCam installed. ScreenCam is a completely redesigned, 32-bit application.

- **Lotus SmartCenter 97**, the Suite's customisable command centre, keeps users organised and gives them ready access to their work-in progress, calendar and address book, and even the Internet. Just a click away, SmartCenter's drawers provide a central place for users to get the latest news and weather, organise the day's work, find reference material, or write themselves a reminder. New drawers in SmartCenter 97 give users fast automatic links to the Internet to search for information and favourite bookmarks, and get just-in-time help from Lotus Support Pages on the Web.

Lotus

LOT499 SmartSuite 97.....**$799**

STOCK CODE (U/G CD): LOT500

$345

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

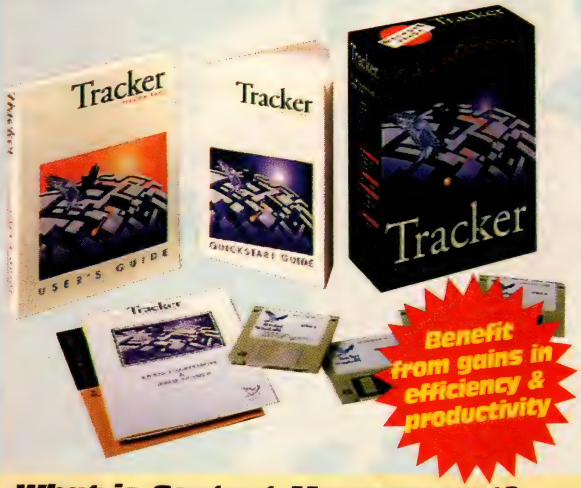
- We will beat any advertised price on any identical product. Subject to terms & conditions PP. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 1Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 lines in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

INTERNATIONAL SOFTWARE WAREHOUSE

Tracker Version 2

The clever contact manager

Tracker Software



Benefit from gains in efficiency & productivity

There are few products that have such a positive effect on the way people work - increasing productivity, efficiency and success.

What is Tracker ?

Tracker Version Two will enable you to keep important contact information at your fingertips. It provides a complete solution for your contact management needs, with databases, full contact histories, time management, word processing and communications capabilities. All of its elements work seamlessly together, so you can benefit from gains in efficiency and productivity whether working alone or in a group or network.

Become more productive

Imagine your phone rings. A vaguely familiar voice says 'This is David Hardy, I'm following up on the price quote you promised me. I haven't received it yet!' You scramble through the loose paper scattered around your desk, frantically check the sticky notes on your monitor and your wall calendar and you can't find it anywhere. You say 'I'm sure I faxed it to you last week but I can't find it now. Can I call you back?' He replies 'No don't bother I have other quotes from your competitors.'

Now lets try that again with Tracker. You type David Hardy into Tracker and up comes a screen full of information 'yes Mr Hardy, I faxed that information to your assistant, Jennifer, last Friday as you had requested. I also left a message for her to call if she didn't get it. I have the quote here on the screen, would you like me to discuss it with you or would you prefer me to re-fax it?' He says, 'Great, lets talk now, I want to make a decision today.'

What is Contact Management?

Contact Management is one of the key element in Sales Force Automation (SFA) and is specifically a tool for the personal productivity of sales a marketing executives.
Contact Management Software (CMS) is normally used around a powerful contact database. CMS integrates client contacts and schedules to automate routine reporting and communication activities. Most good CMS products also include a word processor capable of performing a mail merge, an appointment calendar, report writing module, and a range of utility functions such as alarms, auto-dialers free-form notes and import/export capability.
These features allow the user to track contact information, manage schedules to-dos, correspondence and generally organise most of the details associated with their business relationships. The more advanced systems will also provide the capability for Local Area Network (LAN) operation, LAN based E-mail and even access to public messaging systems.

Information at your fingertips

Tracker organisers all your customer and prospect information effortlessly. With its limitless database Tracker lets you instantly store, cross reference and retrieve information on all types of business contacts. Follow buying habits, record business details and impress your clients with your ready to access to account and contact data. Tracker automatically updates and records events such as letters, faxes, or labels printed, appointments, mail messages and any modifications made.

Never miss a Callback

Tracker remembers and schedules your callbacks immediately, so you don't have to. Tracker integrates your customer database with your time manager and task list. You prioritize tasks and activities. Tracker makes sure you attend to the most important things first. You spend more productive time with each customer or prospect and less time on administrivia–that equals more sales and better customer service.

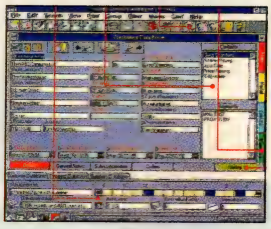
Great Home or Away

Tracker is fully network ready. In the office, share a common contact database so every person dealing with your customers can see the big picture. Then take it on the road, carrying just your records with you. Call in using Tracker's built-in electronic mail, upload your orders and contracts and download new leads and appointments. And when you return to the office, reconnect your office computer and Tracker's docking function will automatically update databases and contact records.

Easy to use

Tracker uses a familiar index card. you can layout pop-up lists of commonly used responses to save you time. It's simple and straight-forward to import and export data from other business applications. Help is always just a mouse click away.

Retrieve Lost or missed calls in a Flash!



With Tracker you get total contact information, at a single glance.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

What the press say...

PC Update
'Tracker continues to lead in contact manager software throughout the world'

PC User
'The most sophisticated contact management system available for personal computers'

PC Review
'The king of contact managers'

TRA008	Tracker 2.0	$379
TRK101	Tracker Upgrade/Crossgrade to 2.0	$169
TRK102	Tracker 2.0 – 1 User License	$209
TRK103	Tracker 2.0 – 5 User License	$1019
TRK104	Tracker 2.0 – 10 User License	$3299
TRK105	Tracker 2.0 – 20 User License	$4899
TRK106	Tracker w/ Australia on Disk Business & Residential CD	$729

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

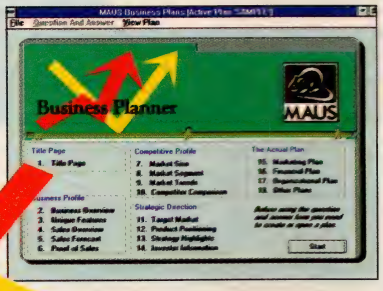
Automatic sales, marketing and financial plans

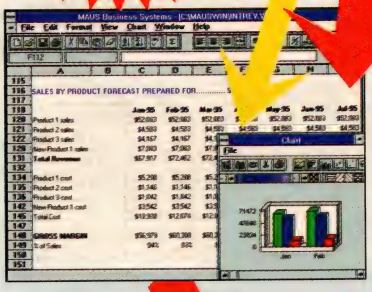
Every business needs a Business Plan!

MasterPlan is designed for people who need a winning, professional Business Plan instantly. Its simple language reinforces its user-friendliness, explaining every process. A step-by-step question and answer format enables you to construct full financials, text and graphics at the click of a button. MasterPlan will also easily instruct you how to analyse and develop your business. Topics covered include Sales Analysis, Market Analysis, SWOT Analysis, Marketing Plan, Financial Plan, and much more. Australian written and tested in the field, this program has been tailored specifically to meet the needs of Australian users and is suitable for both product and service businesses in any industry. With MasterPlan, your Business Plans will be more effective, more impressive, and greatly improve your chance of achieving success.

FREE Spreadsheet program and Word-processor!

FREE Workbook (in level 2)





Market Analysis

MasterPlan will help you carry out a comprehensive SWOT analysis of your business. Its in-depth analysis of your company, products, competition and industry will enable you to capitalise on opportunities and prepare for potential threats in the marketplace.

Automatic Financials

Simply type in your key expense and sales assumptions into the financial program and let the computer do the rest! Statements automatically calculated include Profit & Loss and Cash Flow statements, Sales Forecasts, Break-Even Analyses and Graphs. The latest version even includes a Balance Sheet and Ratio Analysis.

Runs on Windows 3.1 & Windows 95

Key Uses

- Raise finance
- Increase profits
- Manage expansion
- Start a new business
- Impress your boss

Key Benefits

- Creates complete Business Plans
- Suitable for business people of all levels
- Creates full financials & graphs
- Includes a simple step-by-step tutorial

What the Press are Saying

"The brilliance of this system is that you're led through the entire process step by step... the results will be as good as anything a professional would have provided for you"
Your Computer Magazine

"(MasterPlan)... is a business tool par excellence, turning a grim chore into a fast, pleasant exercise... Extensive templates make the program a breeze to use"
Australian Small Business & Portfolio

Why choose MasterPlan?

- Finalist 1995 & 1996 - Channel 9 'Small Business Show' software awards contested by over 400 companies.
- 100% Australian with 1000's users across Australia.
- Used in TAFE & University courses Australia wide including MBA Programs.
- Recommended Resource - NSW Government's 'Export Access Program'.
- Used by Agribusiness students at Melbourne's Monash University to win an International Business Planning contest.

Product Summary

- MasterPlan - Level 1 (Standard) : Software to help you prepare a simple Business Plan only and a full set of accompanying financials. Suitable for loan applications.
- MasterPlan - Level 2 (Professional): Software to help you prepare either a simple Business Plan or a more detailed Business Plan which incorporates a full Marketing Plan and analysis. Includes full financial analysis, a follow up program which doubles as a Time Management tool and a FREE Business Planning workbook. Suitable for loan applications, analysing and improving an existing business, launching new products, or starting a new business.

AUS500 MasterPlan for Windows Level 1 Standard..... **$119**

AUS501 MasterPlan for Windows – Level 2 Professional **$189**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

Price Pledge — We will beat any advertised price on any identical product. Subject to terms & conditions P.2

Free Gift — With every order choose a free gift from the selection on page 2.

Fast Delivery — Overnight delivery on 90% of orders.

Free Delivery! — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.

Nationwide Delivery — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.

Massive Stocks — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.

All Welcome! — We always service the individual buyer, small business and large corporation to the same high standard.

No.1 Service — As an International company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

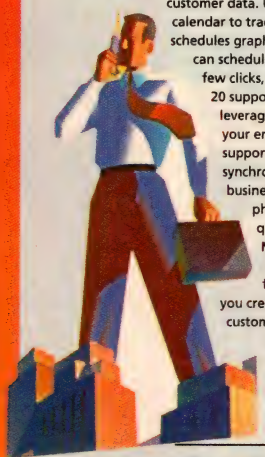
EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Symantec ACT!

Get ACT! Get Results!

Complete Customer and Calendar Management
Get results with ACT!™ for Windows complete customer and calendar management.

Turn contacts into relationships and relationships into results with ACT!™ for Windows. A ready-to-use contact database and integrated calendar make ACT! the most complete solution for effectively managing your business relationships. The ACT! database lets you track every detail by customer or company and view consolidated information at an account level. With extensive searching capabilities, ACT! provides instant access to all your critical customer data. Use the integrated task list and calendar to track upcoming activities and view schedules graphically by day, week, or month. You can schedule calls, meetings, and to-dos with a few clicks, and print your calendar using any of 20 supported organiser formats. You can even leverage important customer data across your entire team with built-in network support and remote two-way data synchronisation. ACT! helps you gain new business by making it easier to set priorities, phone contacts, and generate top-quality documents and proposals using Microsoft® Word or the ACT! word processor. To track your progress, a flexible built-in report generator lets you create comprehensive reports for customer analysis, account review, and more. As your business grows, ACT! is ready with support for customisable databases, screens, and reports. Get results with ACT! for Windows today.



ACT! The secret to better salesmanship

Know your clients well. ACT! gives you instant access to important facts about your clients and customers. So everything you need to know is always right there in front of you.

- Find what you need fast
- Know your clients history
- Receive a ready-to-use database
- Customise your database easily
- Save time with auto-fill fields
- Locate a group of contacts
- Identify who's calling you

Do more business online. Leverage the Internet with one-click access to customer Web sites. Send emails to clients and colleagues without leaving the database.

- Send email through Microsoft Exchange
- Stay current with free updates

Collaborate with others. ACT! makes it easy to share information with other team members for more effective4 sales calls. Plus, ACT! has networked calendar functions that make it easier to schedule meetings.

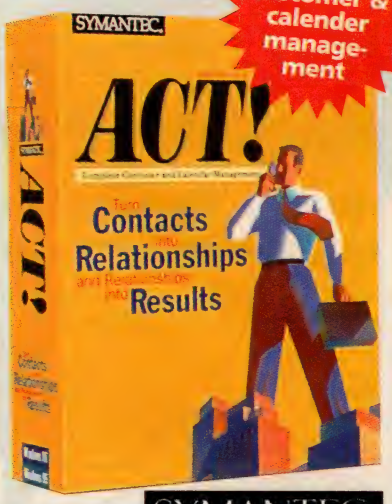
- Find a meeting time that works
- Manage from a central location
- Use ACT! to synchronise data with mobile users.

Accomplish more each day. Daily, weekly, and monthly calendars help you get more done every day. (You can even print pre-formatted calendars that fit most popular organiser systems.) Also on-screen alarms keep you abreast of meetings and important appointments.

- Drag and drop calendar entries
- Never let an action item slip past
- Keep an eye on big projects
- Be compatible with your organiser

Create new opportunities. ACT! helps you locate the customers and prospects with the most potential. You can also send targeted letters and proposals to key people and track the results in your database.

- Target your efforts
- Get the inside scoop on someone
- Be compatible with your word processor



Complete customer & calender management

Begin immediately. A 10-minute audio tutorial presents information on how to grow your business using ACT! And with 10 built-in database templates, you can get started in ACT! right away.

SYM053 **ACT! 3.0 Win 95/NT CD/3.5"** **$249**

SYM081 **ACT! 2.0 Win 3.1 3.5"** **$315**

Internet FastFind

Save search time on the 'Net!

Symantec Internet FastFind is the fast way to find what you're really looking for on the Internet. You no longer have to waste time looking for what you need one search engine at a time. Internet FastFind simultaneously uses all the top Web search engines to find what you need in seconds. Then it automatically removes all duplicate findings and priorities the results for easy reference. If you're looking for a specific file, simply type in the file name (or even a part of it) and Internet FastFind quickly conducts a world wide search for the file. Then just drag and drop the file to your PC.

SYM056 **Internet FastFind** **$65**

WinFax PRO 7.5

Essential fax management for Windows 95.

The world's best-selling fax software!

True background faxing allows you to continue working while your fax is being sent. Send faxes twice as fast thanks to enhanced file compression. The world's best-selling fax software just got even better with the new Delrina Pager. Have your computer page you to alert you of incoming fax messages. Best of all, WinFax PRO's fax quality has never been better - even faxed photos will look great.

CD

SYM008 **WinFax PRO 7.5** **$125**

pcAnywhere 32™ 7.5

Easy remote access to PCs from anywhere, anytime!

pcAnywhere 32™ for Windows 95 and Windows NT is the fastest, easiest way to remotely access PCs, applications, and information from a home or office PC or network. Make quick, easy connections via modem, network, or the Internet to check e-mail, remotely support clients, download files, or simply run remote applications. Expanded Internet support, with SmartList and advanced security options, allows you to easily and safely access your PC while saving on long-distance phone charges.

Saves you money on long-distance calls!

3.5

SYM015 **pcAnywhere 32™** **$209**

Your Eyes Only

Keep your files safe from prying eyes! The only security software you'll need for your laptop and on the Internet.

Keep ALL your files SAFE!

The last thing you need is more work – so Your Eyes Only protects your confidential files automatically and transparently. It prevents unauthorised users from tapping into your computer files, but that's not all: It actually stays with your files, wherever they go. Unauthorised users can't. It's that simple. Unique patent-pending SmartLock encryption makes security totally automatic. Just designate which directories you want to secure and the files in those directories become automatically decrypted when you open them with passwords.

SYM061 **Norton For Your Eyes Only 4.0 Win 95 3.5"** **$125**

SYM004 **Norton For Your Eyes Only 4.0 10 User Win 95** **$955**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

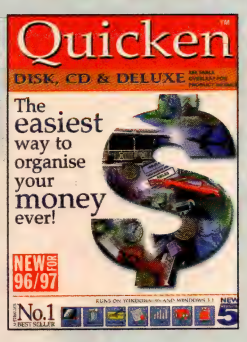
BUSINESS SOFTWARE

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Quick financial solutions!

Intuit Quicken Disk, CD & Deluxe

The easiest way to organise your money - ever!



Easy to learn and use
- Guides you step-by-step through setting up
- Uses no accounting jargon or complex instructions

Saves you time
- Updates your account balances for you automatically
- Reconciles your bank and credit card statements in no time

Keeps you organised
- Organises records for your tax return
- Tracks bank accounts, credit cards, loans, savings and investments
- Reminds you when bills are due

Gives you insight into your finances
- Clear reports and graphs show exactly where your money goes
- Compares past and present spending

Great for small businesses
- Calculates and tracks Sales Tax automatically
- Provides full business reporting, balance sheets and Profit and Loss Statements

Helps you plan your future
- Creates budgets and helps you stick to them
- Forecasts your future financial status

STOCK CODE: AUS100

$85

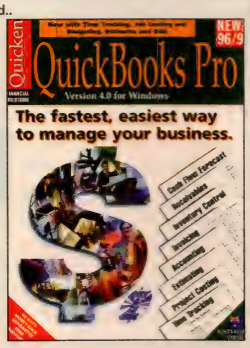
QUI028 Quicken 5.0 CD.....**$65**

Intuit QuickBooks Pro V4 for Win

The fastest, easiest way to manage your business.

Now with Time Tracking, Job Costing and Budgeting, Estimates and Bids.

All the features you need..
- Speeds bill paying & invoicing
- Customizable invoices and statements
- Tracks accounts receivable
- Painless accounts payable
- Contact management features
- Powerful customizable reporting
- Tracks cheque accounts
- Tracks inventory & purchase orders
- Complete financial management
- Customises itself to your business



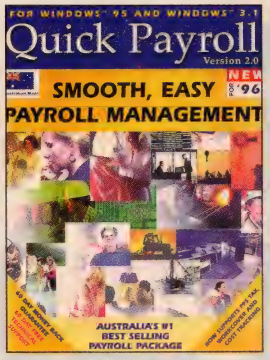
STOCK CODE: AUS201

$415

AUS101 QuickBooks V4 .....**$249**

Quick Payroll V2 for Win & Win 3.1

The smoothest, easiest way to manage your payroll.



If you are a company with 3 or 300 employees Quick Payroll® is the quickest and easiest way to manage your payroll. Quick Payroll V2 now incorporates every practical suggestion from five and a half thousand Australian users. It has undergone extensive on-site testing at 96 test sites Australia world-wide so you can be absolutely confident that this is the best software available for smooth, easy management of your payroll.

STOCK CODE: AUS102

$249

Protect your family & your assets!

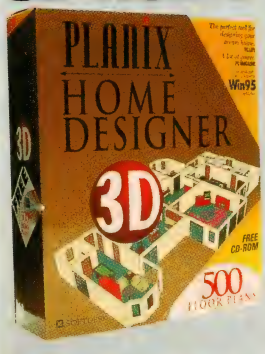
Many common legal documents don't require a solicitor to be valid. That's why Quicken Family Lawyer makes so much sense!

With the help of a questionnaire that guides you quickly through the necessary steps, a legally binding ***Will*** or ***Power of Attorney*** can be prepared in the comfort and privacy of your own home or office. Online help is available whenever you need it, to provide you with answers for the most commonly asked legal questions.

Features
- Documents are developed and reviewed by expert solicitors
- Documents are legally binding
- All documents have been updated to reflect current law
- Power icons allow you to get answers and information at the touch of a button

AUS221 Quicken Family Lawyer CD **$45**

3D Home Architect



Design your own dream home!

New Planix 3D Home Architect is the fastest and easiest way to design a truly customised dream home. With no experience required, you'll be drawing floor plans in minutes. Automatically create walls, doors and furniture in 2-D for professional looking plans then render into unique 3-D plan views and change your 3-D aspect to inspect your new home from every angle. There's everything in one package for your dream house, from adding extensions and swimming pools to landscaping a garden. With the hundreds of real 3-D symbols, such as office furniture and computer hardware, there's no drawing required. You can even use the Planix Insurance Inventory option to track all your valuables in case of loss, or the Home Theatre utility to simplify complex multi-room Audio/Visual installations.

Computer Buyer Recommended

3D

STOCK CODE: AUS219

$49

St Johns First Aid

St John Ambulance's Australian First Aid provides you with information to get you started on an essential learning experience.This interactive multimedia package includes audio, video, animation and graphics on CD-ROM, plus a practical certification course included in the price. Work at your own pace as the package takes you through all aspects of basic first aid.

Introduction to First Aid

The program begins by working through four lessons to explore the preliminary facets of first aid:
Lesson 1 – Aims of first aid
Lesson 2 – Accident Prevention
Lesson 3 – Essentials of First Aid
Lesson 4 – The First Aid kit

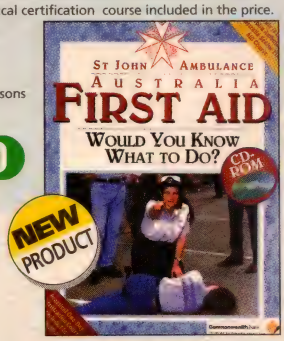
CD

Case Studies

After the preliminary 4 lessons, the program guides you through 3 levels of case studies:
Level 1 – Guided Examples
Level 2 – Practice
Level 3 – Testing

Tutorials

To complete the theory part of this course, 29 illustrated and animated tutorials must be completed.



STOCK CODE: AUS220

$87

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

Price Pledge – We will beat any advertised price on any identical product. Subject to terms & conditions #2

Free Gift – With every order choose a free gift from the selection on page 2.

Fast Delivery – Overnight delivery on 90% of orders.

Free Delivery! – We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.

Nationwide Delivery – We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.

Massive Stocks – Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 lines in stock at any one time.

All Welcome! – We always service the individual buyer, small business and large corporation to the same high standard.

No.1 Service – As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

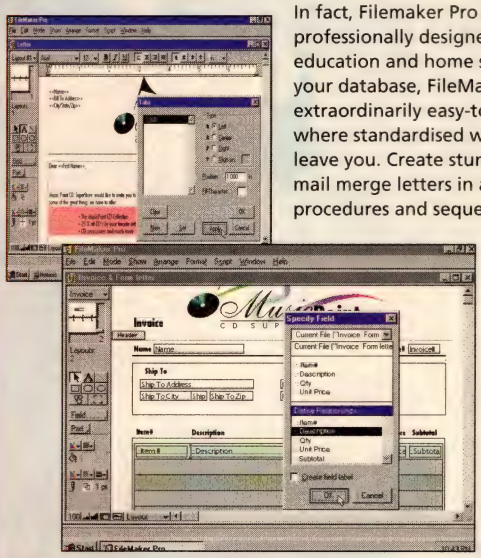
Claris FileMaker Pro

The easy to use relational database!

NEW PRODUCT

Filemaker Pro 3.0 is the only relational database application designed to help you easily manage and share information in the real world.

Starting with raw data, it's fast and easy, to create working databases on the Macintosh, Windows 95, Windows NT, or Windows 3.1.



In fact, Filemaker Pro comes with a complete set of professionally designed templates for instant business, education and home solutions. When you're ready to customise your database, FileMaker Pro has a set of powerful, yet extraordinarily easy-to-use tools that will take you well beyond where standardised wizards and other assistance technologies leave you. Create stunning input screens, reports, labels and mail merge letters in a flash. Automate frequently-used procedures and sequences - and much more. You don't have to become a database expert in order to take advantage of FileMaker Pro software's full potential! Nothing makes it easier to organise all your vital information and put it at your fingertips.

Users of FileMaker Pro 3.0 can now employ text rulers (inches, centimetres or pixels), tabs, indents and formatting within any text field in their database record or layout for better looking reports, letters and faxes.

Runs on Windows 3.1 Windows 95 Windows NT & Macintosh Systems

CLARIS™

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Claris FileMaker Pro Features

- **Professional Templates** - Get started quickly with over 40 ready-to-run productivity solutions for business, education and home – including invoicing, mailing lists, contacts, tracking, home inventory, school records and more.
- **Relational Database Power** - Increase the power and flexibility of your databases by creating one-to-one, one-to-many, and many-to-many relationships between files. View and edit data from one file while working with another.
- **Data Handling & Variable Filed Length** - Add, change or remove fields, layouts or calculations at any time without rebuilding the database. Add notes and comments to any database record with up to 64,000 characters in any formatted fields.
- **Automate/Validate Data Entry** - Save time by inserting data automatically, such as date and text - even calculated values. Validate by requiring data of a certain type, unique, a member of value list or calculation.
- **Multiple Layouts & Graphical Report** - Design multiple layouts to view, enter and print your information by simply dragging and dropping fields from the current file or related files on a layout. Create reports and summaries to many levels of detail.
- **Network File Sharing** - Convert your database into a networked solution in one simple menu step. Share files easily within your Windows, Macintosh or mixed workgroups.
- **New Container type** - The Picture/Sound field type has been replaced by the Container Field type, which allows users to store a picture, sound, movie, or OLE object (Windows only).
- **On-line context-sensitive help and tutorial** - For the first time users of FileMaker Pro 3.0 can get an on-line interactive tour application to gain quick familiarity of the functionality of FileMaker Pro. Further they can also get fast answers to questions or problems wherever they are within the database context-sensitive help.

"We have listened closely to our customers in the Windows user community, especially those within large corporations, small business and even home settings in providing a version of FileMaker Pro that can be used within many Windows environments".
Patrick Maloney, Managing Director, Australia and New Zealand, Claris International

Claris Corporation is a leading worldwide vendor of Windows and Macintosh applications for business, education and home

STOCK CODE: CLA011

FileMaker Pro 3.0 ..... **$269**

CLA015 FileMaker Pro 3.0 U/G..... **$119**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Claris Home Page 2.0

The essential Web page authoring tool!

NEW PRODUCT

Claris Home Page lets you design and develop powerful, customised Web pages in minutes - without having to learn HTML or programming. home page delivers the capabilities and tools you've been seeking - Frames, Tables, Libraries and more - in a cross platform solution that provides incredible ease of use, an intuitive WYSIWYG interface, Drag and Drop page development, as well as the flexibility and power experienced users want such as editing and manipulating HTML code. Claris Home Page is the best way to build dynamic Web pages for the Internet in just minutes.

Claris Home Page 2.0 Features

One-Button Site Publishing
Automatically consolidate all images needed in a site, then easily upload them to your web server.

Client-Side Image Maps
You can create and edit client-side image maps in addition to the existing support for server-side image maps.

Variable Table Columns and Rows
Position the width of columns and the height of rows easily.

Extensive Multimedia Plug-In Support
You can include Apple QuickTime, Macromedia Shockwave and other popular plug-in files in your documents

Spell-Check Feature
This feature checks the entire document - all the text in the main body, in the table cells, form fields and titles. The spell-checker is HTML savvy in that it will not spell check the HTML tags.

Drag and Drop Tab Delimited Text
When you drag and drop tabular information created in other applications into Claris Home Page, it automatically generates a table for the information.

All your Netmail needs in one!

CLARIS™

Stock code: CLA022

$99

OS/2 Warp 4

With OS/2 Warp 4 you can dictate a memo and navigate the Internet hands-free by simply talking. Use your voice to launch popular DOS, OS/2, Windows 3.1 and Java applications.

Ever dreamed of a one-stop operating system solution? One that is both easy to use and so powerful it could administer an enterprise network? Well, dream no more. OS/2 Warp 4 has unmatched connectivity, improved systems management, easier-than-ever Internet access and an enhanced user interface. It is designed to be the universal client.

Easy To Use

OS/2 Warp 4 provides a clear path to a connected world. You can link to co-workers, customers and the Internet.
Set up peer-to-peer networks and tap into a variety of LAN servers from work, home or on the road.

This battle-tested operating system provides improved security and tools to manage your network easily. OS/2 Warp's wealth of connectivity function helps you save time and money in setting up your network.

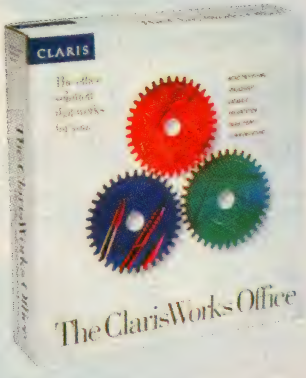
NEW VERSION

STOCK CODE: IBM060

$275

ClarisWorks Office

The smartest all-in-one software for business, education and home!



The ClarisWorks Office is the fourth version of Claris' popular integrated software application.
It combines an intuitive, all-in-one design with expert assistance and time-saving automation features in a single, easy-to-use program. With extensive new word processing capabilities (including an HTML translator for creating World Wide Web documents) and enhanced database reporting, it has the power to manage demanding computing tasks, and new time-saving automation features make The ClarisWorks Office users more productive than ever. The newest version of this full-featured word processor, spreadsheet, database, graphics and slide show software adds more than 100 new features while still providing excellent performance and retaining an exceptionally compact size. Only ClarisWorks Office shares one file format across platforms. It sports full 32-bit design, Windows 95 "look and feel", OLE 2.0 client and drag-and-drop support, and long-format file naming. In addition to the Windows standard interface for working with OLE objects, The ClarisWorks Office also offers a unique drag and drop Palette that makes it simple for users to place and update OLE objects anywhere in a ClarisWorks document. The ClarisWorks Office saves users steps and time with powerful new time-saving automation features. The ExpressStyle feature redefines the stylesheet metaphor, enabling users to instantly format not only text and paragraphs, but also graphics, outlines and tables. FastReport automates searching, sorting, and reporting of frequently used data and ReadyArt Libraries allow users to store and organise frequently-used clipart images (500 images are included). Mail Label, Home Finance, and Certificate Assistants supplement more than 40 other Assistants and templates to offer step-by-step guidance and expert advice on document layout, design and content or help with complex tasks. In addition to ExpressStyle, The ClarisWorks Office augments its word processing capabilities with a host of features including sections, multiple headers and footers, end notes and integrated outlining. The ClarisWorks Office adds new power and accessibility to its database with the FastReport feature and a list view so users can read data in a simple row and column format. Other database enhancements, such as the new radio buttons, check boxes and pop-up menus let users access and use information much more efficiently.

CLARIS™

STOCK CODE: AUS113

$155

AUS169 ClarisWorks U/G **$85**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Price Pledge
- With every order choose a free gift from the selection on page 2. Free Gift
- Overnight delivery on 90% of orders Fast Delivery
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. Free Delivery!
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. Nationwide Delivery
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. Massive Stocks
- We always service the individual buyer, small business and large corporation to the same high standard. All Welcome!
- As an international company we have won more awards for products and services than any software mail-order company. No.1 Service

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Linkword Language Courses

The language course that teaches you to remember what you have learned!

Linkword is the only language course that teaches you not only what to learn but how to remember what you have learned. Linkword specifically teaches you an extensive targeted vocabulary and basic grammar in under 12 hours.

The program uses a powerful and unique word association system that is rapid and fun, and has been proven to work by several professional studies. Linkword is all you need to get you ahead in learning a language.

Tested for over 10 years in book form

- Available in French, German, Spanish, Italian, and Greek.
- Coming soon will be: Japanese, Russian, Dutch, Portuguese, Hebrew and welsh!
- Scientifically proven to increase the speed, ease and enjoyment of learning a new language
- Tried and tested for ten years in book form
- Shown to be very effective by the BBC on their highly respected QED science documentary new language

A proven, powerful, language learning program

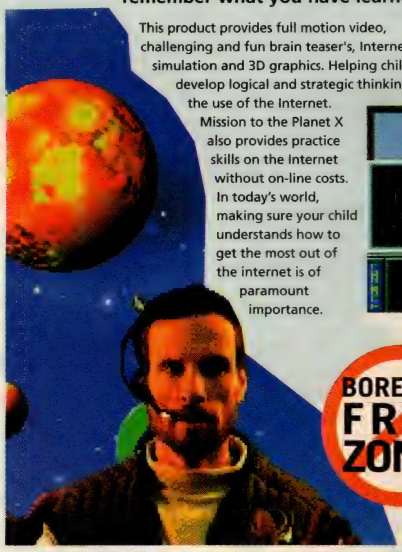
Language	Code
Dutch	IND063
Italian	LIN030
Hebrew	IND061
Spanish	LIN029
Japanese	IND065
Portuguese	IND062
German	LIN028
Russian	IND064
French	LIN032
Welsh	IND060
Greek	LIN031

Linkword Language Course..... **$CALL**

Mission to Planet X

Internet Coach for Kids
MISSION TO PLANET X

The language course that teaches you to remember what you have learned!



This product provides full motion video, challenging and fun brain teaser's, Internet simulation and 3D graphics. Helping children develop logical and strategic thinking on the use of the Internet.

Mission to the Planet X also provides practice skills on the Internet without on-line costs. In today's world, making sure your child understands how to get the most out of the internet is of paramount importance.

Practice without on-line costs!

BOREDOM FREE ZONE!

This useful program will not only teach all the basic navigation skills, but also help your child to realise the benefits of the internet.

Edge Publishing Limited

EDG001 Mission to PlanetX..... **$32.95**

Best Case Scenario!

These two cases from Targus have more of what you want... space!

Notepac Plus

NEW PRODUCT

Great Value. Only $89!

Notepac Plus's New Features Include:

- Expanding file pocket with three sections
- 2 Multimedia CD pockets
- Zip-down work station
  a. Cellular phone pocket
  b. PC card pockets
- Full length, exterior file pocket
- Padded, ergonomic shoulder strap

TARGUS LIFETIME Warranty

TARGUS A TRADITION OF EXCELLENCE

TAR100 Targus Notepac Plus..... **$89**

Deluxe Universal

TARGUS LIFETIME Warranty

NEW PRODUCT

Ultimate Case Space! $179!

Deluxe Universal's New Features Include:

- Notebook computer & portable printer fit in one compartment
- Additional full-size accessory compartment • 3 CD pockets
- Zip-down workstation a. Cellular phone pocket b. PC card pockets c. Electronic organizer pocket d. Zippered mesh pocket
- Key-ring and pocket
- Special pocket for travel documents
- Oversized padded handle
- Padded, ergonomic shoulder strap

TARGUS A TRADITION OF EXCELLENCE

TAR101 Targus Deluxe Universal..... **$179**

Targus Cases Hold Space For:
Portable Printers, Work Papers, Cellular Phones, Electronic Organizers, PC Cards & Multimedia CDs.

Visit our website at www.targus.com Features and specifications subject to change without notice. Lifetime warranty supplied directly from Targus.

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

INTERNATIONAL SOFTWARE WAREHOUSE

Call the Freephone Orderline **1 800 150 084**

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

BUSINESS SOFTWARE

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Borland C++Builder

Introducing everything you really wanted in C++ Borland C++ Builder.

Real Visual Development. Real C++
Now, for the first time, use C++ for all stages of development, from prototype to production. With new C++Builder, you get the unprecedented power and control of C++ in a fast, flexible, and visual Rapid Application Development (RAD) environment.

Speed of visual development.
All the visual tools you need to build applications fast are here, just a mouse click away – including Two-Way-Tools, From Designer, Visual Component Palette, Object Inspector®, fully integrated editor, CPU View, debugger, and project Manager.

Productivity of reusable components.
The Visual Component Library gives you more than 100 reusable components with source code . Easily reuse these VCL components and ActiveX controls – subclass them, customise them, or quickly create your own.

Flexibility of scalable database tools.
Quickly create powerful database applications using visual, scalable tools and data-aware components, with support for all major databases

Power of industry-standard C++.
C++ Builder complies ANSI C and C++ – and lets you use industry-standard C++ to create fast, productive front ends for your Microsoft Visual C++ and Borland® C++ applications.

CD

BOR138	C++Builder Standard 1.0 -CD	$159
BOR139	C++Builder Professional 1.0-CD Crossgrade	$349
BOR140	C++Builder Professional 1.0-CD	$849
BOR141	C++Builder Client/Server 1.0 Crossgrade-CD	$2149
BOR142	C++Builder Client/Server 1.0-CD	$2599
BOR143	Learn to Program with C++ Builder 1.0	$89

Borland C++Builder Standard
Step up to truly visual Rapid Application Development (RAD) tool C++

Borland C++Builder Client/Server Suite
Extend the power of C++Builder Professional to support all popular SQL database formats via native SQL drivers. Extensive SQL tools included.

Learn to Program with Borland C++Builder
Learn C++ and Windows programming visually – a great way to get started !

Borland C++Builder Professional
Extend the power of C++Builder Standard with source code for the component library, complete ODBC connectivity, Scalable Data Dictionary, Multi-Object Grid, Internet Solutions Pack, Install/Shield® Express, Quikreports, Winsight 32, and more,

Borland Delphi 2

Take your RADical Windows applications further.

Delphi Developer 2 is the fastest way to produce RADical Windows applications, combining breakthrough technology with breakneck speed. Progress from prototype to production to create amazingly fast, royalty-free Windows 95 and Windows NT applications. Delphi 2 is the only object-oriented development tool that combines a high-performance 32-bit optimising native-code compiler with a component based visual design environment and integrated database access.

BOR030	Borland Delphi 2 Desktop	$579
BOR029	Borland Delphi 2 Desktop U/G	$325
BOR031	Delphi Developer 2..95	$899
BOR032	Delphi Developer 2 U/G	$439
BOR034	Delphi Client Server 2	$3259
BOR122	Learn to Program with Delphi	$139

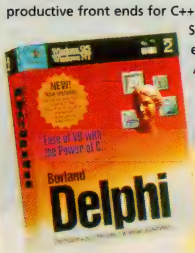
Delphi 2.0 Std

The ease of Visual Basic with the power of C++

Includes Delphi 1.0

Now you can get the ease of Visual Basic and the power of C++ in one development environment. Only Delphi 2.0 combines the RADical productivity of visual tools and reusable components with lightening-fast compiled performance.

Take advantage of more than 90 reusable components or easily create your own. Build fast, productive front ends for C++ applications and reusable DLLs to speed up VB applications.



Since Delphi 2.0 includes Delphi 1.0, you'll have the fastest, smallest executables whether you're doing 16 or 32-bit development. And, as Delphi is easy to learn and use with new step-by-step tutorials, VB to Delphi Command Reference, and the Delphi for C++ developers Reference you'll be an expert in just 21 days!

Features
- 90 Reusable Components
- Includes Delphi 1.0
- Step-by-step tutorial guides

CD

BOR123 Borland Delphi 2.0 STD **$129**

Borland IntraBuilder

CD

Query, update, and create live data forms for your Web Page, with ease!

New IntraBuilder is the only point and click live data solution that allows you to use the capability of your existing database on the Web and allows you to get on top of your work. Easily turn your system into a local Web server and let IntraBuilder take care of multiple users, while you carry on with your work. IntraBuilder includes a Web server, pre-built solutions, and supports local database standards such as Access, Paradox, and dBase.

Easy to Use!
- IntraBuilder is easy to learn and to use
- Works with any standard Web Browser
- Use pre-built, out of the box solutions
- Use the database you already have
- Experts help you to create solutions
- Always publish the latest information
- Easy to manage solutions
- Easily get on top of your work

BOR118	Intrabuilder Standard	$129
BOR119	Intrabuilder Professional	$549
BOR121	Intrabuilder Client Server	$2599

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Price Pledge
- With every order choose a free gift from the selection on page 2. Free Gift
- Overnight delivery on 90% of orders Fast Delivery
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. Free Delivery!
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. Nationwide Delivery
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. Massive Stocks
- We always service the individual buyer, small business and large corporation to the same high standard. All Welcome!
- As an international company we have won more awards for products and services than any software mail-order company. No.1 Service

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Freephone Orderline 1 800 150 084 Order by fax 02 9700 8801
Enquiries 02 9700 8800 Internet site software-warehouse.com.au
13 Bradford Estate 10 Bradford Street Alexandria Sydney NSW 2015

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

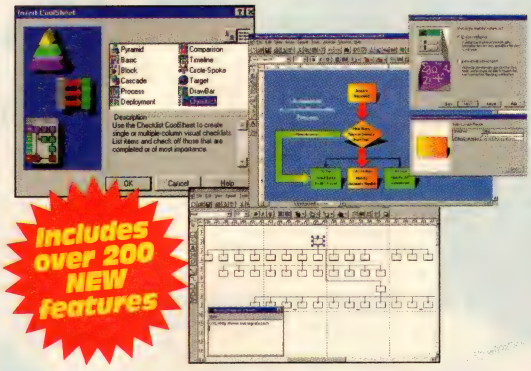
Micrografx FlowCharter 7 - The most intuitive way to create business diagrams

NEW PRODUCT

This amazing new version of Micrografx FlowCharter will revolutionize your business diagramming capabilities, by adding intuitiveness and ease of use at the basic level plus interactivity and extensibility for those wanting more from their business diagramming software.

If you need to quickly create diagrams to embed into presentations and or documents, Micrografx patented coolsheets™ provide pre-defined structured diagram layouts. Simply drag and drop.

Micrografx FlowCharter 7 turns thoughts into diagrams with intelligent tools that not just anticipates user thinking but turns thoughts into actions. It is also the only product to include the Micrografx LIVING FLOWCHARTS, a new patented interactive technology which transforms a diagram from a static object into an active software tool that automates the drawn process itself. This allows the user to navigate through the diagrams interactively, understanding the content more readily.



Micrografx Flowcharter 7 Features

- Instant diagramming
- Drag and drop shapes
- Intelligent line routing
- Lines snap into shape automatically
- Design custom corporate shape templates, shapes and custom properties
- The most comprehensive set of drawing tools available
- 3D - add stunning 3D effects
- Truly Microsoft Office Compatible (Drag and drop diagrams or shapes into Microsoft Office applications)
- Add data to your chart from Microsoft Excel and watch them automatically appear within the data fields of corresponding shapes and lines
- New Shape action Wizards adds URL information, allowing direct links to internet Web pages or company intranets
- Micrografx WebCharter allows automatic charting of Intranets and Internet
- Full support for Microsoft Intellimouse
- Comes with Microsoft Visual Basics Script, allowing total integration with Microsoft Office 95. Microsoft Office 97 and Microsoft Back office, as well as your custom application

MICROGRAFX

STOCK CODE: MGF008

$329

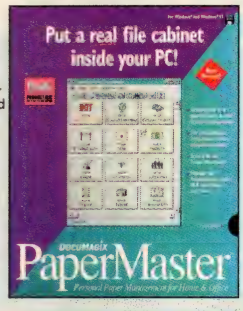
Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

DocuMagix PaperMaster

Put a real file cabinet inside your PC!

Award-winning PaperMaster is a powerful paper manager that puts a real file cabinet inside your Windows® or Windows® 95 PC. Because it's software, PaperMaster file cabinet can be unlimited in size, and lets you file, find, fax or e-mail all your papers instantly. It even lets you copy, annotate and edit documents, and it saves you time in filling out forms.



With PaperMaster, you'll have an easier time filling in memos, letters, receipts, spreadsheets, magazine articles, tax returns or even business cards in either black and white or colour! Anything that you want to file can be, even documents from the Internet or any Windows application and if you can't find that file you want by name you can still visually find it or use it's amazing AutoSearch™ capability that enables you to search by title text, annotations or by any word! All in all this is definitely the software to get yourself organised in no time at all!

NEW PRODUCT

Features

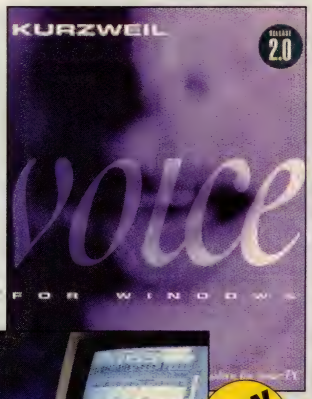
- Organise all your papers, faxes, e-mail & on-line documents!
- File once, find, fax, copy, e-mail, edit or annotate instantly
- Scan & fill out forms effortlessly
- Create easy-to-use cabinets, drawers and folders
- Colour, grayscale or black & white support
- Import & export images
- Keep things personal with passwords!
- Backup, restore and archive all your papers!
- Includes fax management, copier, OCR capabilities and much much more!

AUS148 DocuMagix PaperMaster **$179**

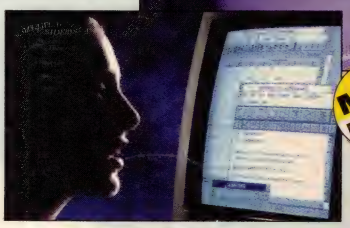
Kurzweil Voice 2.0 for Windows

Speak your mind with the award-winning voice-recognition system for your PC.

Combine the utility of the keyboard and the flexibility of the mouse with the speed and accuracy of your own voice.



- No training required – initial 'out of the box' accuracy can be 90% or higher
- Includes command lists for Windows 95, 3.1x and the most recent versions of the leading Windows software applications
- Automatic adaption to user's speech and language patterns – can boost ongoing recognition to 97% or higher
- Easy to install, learn and use
- Supports hands-free control of your PC
- Full command and control capabilities integrated with robust dictation capabilities for text creation
- Latest speaker-independent, continuous digit recogniser allows users to efficiently enter numeric data



NEW PRODUCT

STOCK CODE: AUS119

AUS114 Kurzweil VoicePad Pro 1.0 ..... **$189**

$999

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

IBM Voice Dictation

IBM VoiceType Dictation is a highly accurate speech recognition system, which analyses the spoken word and immediately turns it into text on your personal computer screen at a rate of 70-100 words a minute.

It is customised for each user, through a simple enrollment procedure, and can be used to control your desktop and applications as well as dictation. In addition to general office vocabulary, included with IBM VoiceType Dictation, optional voicetype industry vocabularies are also available.

Once the realm of science fiction and futurism, talking to a computer instead of typing is now a practical and affordable solution for a wide variety of professionals. With IBM VoiceType(TM) Dictation for OS/2® or IBM VoiceType Dictation for Windows(TM), people can create text quickly and efficiently simply by talking to a desktop personal computer, notebook, or sub-notebook PC.

No more typing!

VoiceType Dictation transforms spoken words into accurate text that is available within seconds - without typing, and without the time-consuming, labour-intensive process of manually transcribing dictation. The result is increased productivity and faster turnaround. For people who need to use their hands and eyes and simultaneously create written information, this increase can be even more pronounced. For example, doctors can review X-rays or examine patients and dictate their findings directly into the computer. This means they can see and verify reports onscreen, then transfer them immediately into the medical records system. Nurses can update patient charts at the bedside by voice input. And because no transcription is needed, the results can be made available to other medical professionals sooner.

The capabilities of speech recognition technology can be just as valuable in other professions. Attorneys can develop briefs while working with research materials. Reporters can dictate stories rather than using the keyboard. Executives can call up database information or dictate their electronic messages.

Anyone can benefit!

VoiceType Dictation can speed information handling in almost any paper and forms-intensive office environment, or wherever people need to dictate while working with their hands and eyes free for other tasks. By making speech recognition technology readily available to the millions of users of PCs, VoiceType Dictation represents the beginning of a major change in the way people interact with computers.

What's more, VoiceType Dictation can enable those people who cannot use a keyboard to enter data, create text, and run most business applications. This can help organisations meet the special needs of employees, plus make computer resources available to people who simply aren't comfortable with typing.

Proven IBM technology

VoiceType Dictation is pure IBM technology based on more than 2 decades of IBM research and development. Developed in conjunction with IBM's Thomas J. Watson Research Centre, VoiceType Dictation's speech recognition technology and high accuracy language models were previously available only in the award-winning IBM personal Dictation system product.

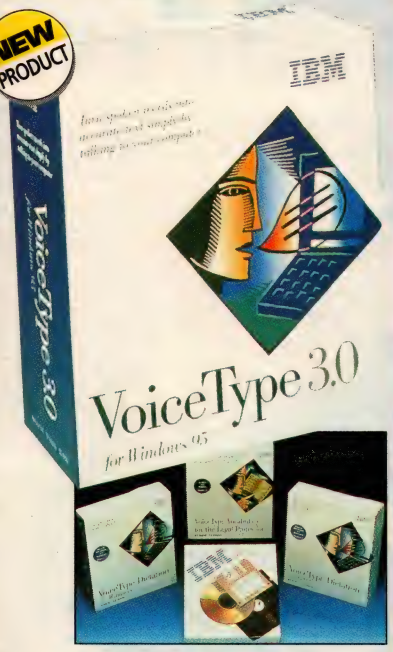
Capture precisely what you say

VoiceType Dictation for OS/2 and VoiceType Dictation for Windows run on a IBM-compatible desktop, notebook, or sub-notebook personal computers with 486 or Pentium(TM) processors. It is an isolated-word, speaker-dependent system that utilises sophisticated statistical language models and a speech adapter card - both designed by IBM to rapidly analyse spoken input.

Accurate speech-to-text

The language models, a general vocabulary of up to 30,000 words, and a detailed understanding of each users voice, allow VoiceType Dictation to accurately convert speech to text as quickly as 70 to 100 words per minute - faster than most people can type. Users simply talk into a hand-held or headset microphone. The system analyses their speech in seconds and displays it onscreen as text. Properly recognised words are automatically displayed correctly. Even like-sounding words that are difficult to distinguish - such as "to," "too" and "two" or "our" and "hour" - are easily understood.

NEW PRODUCT



STOCK CODE: IBM047

$999

Compuphone 2000 Telephone Keyboard

Easy to use, simple to install

CompuPhone 2000® is a complete business level telephone system comprising software, and an IBM compatible 101 key keyboard with telephone and professional level headset.
CompuPhone 2000® allows you to dial from your screen in any Windows application and log calls by time date and duration.To start simply plug in the keyboard in the normal way, connect your standard phone line and install the disk. Now you can work hands free on your computer

NEW PRODUCT

Features

- Keyboard and telephone functions built into one enclosure
- Popular 101-key layout with separate cursor control and numeric keypad
- Works with most standard telephone head sets and handsets (lightweight headset included)
- 4-step volume control
- Flash key (600 msec)
- Last number radial
- Mute function
- Rings on incoming calls
- Computer program that allows for dialling via software in addition to dialling manually
- Ability to use phone and key board simultaneously

Keyboard Features

- 101/102 enhanced layout
- Membrane tactile sheet
- IBM PC AT, PS/2 compatible
- 55+10g force
- 30 million life cycles
- Multi-language version available

AUS245 Compuphone 2000 ..... **$389**

AUS246 Compuphone 2000 with Head Phones **$439**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

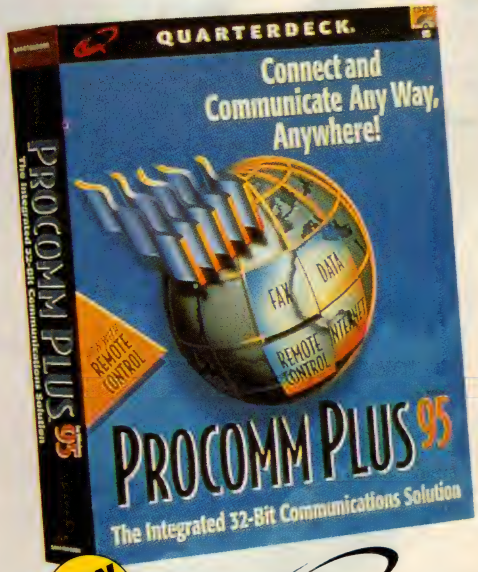
8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders. **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

PROCOMM PLUS 95



Compresses any file by up to 98%

The world's No.1 best selling communications software is the only complete solution to access all your PC communications from one source.

Whether you're cruising the Internet, sending or receiving a fax, or downloading a file from the office, PROCOMM PLUS 95 has everything you need to communicate via your PC. Fax, Internet and Data functions are seamlessly integrated into one intuitive interface. The quickest, most reliable way to get the most from being connected. PROCOMM PLUS 95 allows you to work at your computer the way you want to, moving from one activity toy the next with ease.

WHAT THE PRESS ARE SAYING

"...read all the review to appreciate the magnificence of the product"
"...easy to operate, a dream to install"
Micro Computer Mart

Features:

- Fax Manager
- Data Transfer
- Connection Directory
- Web Browser
- Internet Mail
- Internet News Reader
- FTP and Telnet
- ISDN Support
- Aspect Script Language

NEW PRODUCT

QUARTERDECK

QUA039 PROCOMM PLUS 95 (CD)..... **$219**

Procomm® RapidRemote

Now anyone with Procomm RapidRemote can have fast and easy access to their office or home PC from wherever they are.

Get fast access to another PCs files or programs from a remote location. Save time and money with advanced fast refresh screen technology. Get peace of mind with a full range of security features. RapidRemote is the quick, easy way to access another PC. Using RapidRemote is a snap. It is already configured to your Windows 95 modem, ISDN terminal adaptor or network settings for easy installation. RapidRemote's SmartWizards automatically walk you through the connection set up quickly and easily.

Features:

- Windows 95 Explorer
- Drag & Drop
- Delta file transfer/ compression
- Directory synchronisation
- Resolution/Colour scaling
- Bitmap/Font caching
- Guest/Host configuration
- Printer redirection
- Host-to-guest clipboard
- Text-based chat
- Remote reboot
- Automatic Windows restart
- Password protection
- Master password
- Intruder detection
- Data encryption
- Audit trail files
- Fixed call back
- Open access
- Grant rights
- Screen blanking
- Mouse and keyboard locking
- Hacher protection
- Limited access
- TAPI compliance
- TCP/IP
- IPX network
- Multiple guest-host connections
- Direct serial connection

STOCK CODE: QUA100

QUARTERDECK **$119.95**

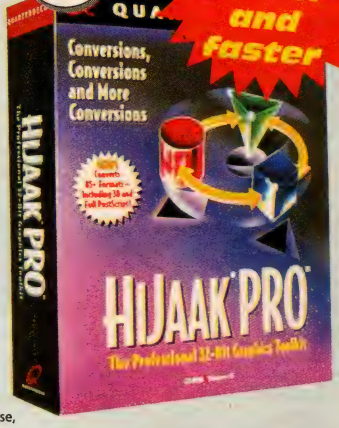
HiJaak Pro

The professional 32-bit graphics toolkit

Whatever your graphics needs, this powerful set of tools helps you to do your job better and faster!

Get the job done better and faster

NEW PRODUCT



View Images
HiJaak PRO enables you to view images in over 85 formats without needing the original application. View multiple images in HiJaak PRO,s main window. Also create and view extra-large thumbnails of images (both 2D and 3D) from within the Windows 95 Explorer. Then launch HiJaak PRO right from the shortcut menu of the file to get the full view. Even view full PostScript Level 2 Files to confirm accuracy before sending them to your service bureau. When viewing 3D images, render them either wireframe, flat, or gouraud, and get any you want using either a specialised CAD or Virtual Reality Viewpoint palette, the keyboard, or Hijack PRO's virtual Trackball Interface.

Enhance Images
Make adjustments to images easily! There is no need to start another editor to resize, flip, crop, rotate, smooth or greyscale or black & white images out of colour images. Reduce colours using diffuse, snap or halftone.

STOCK CODE: QUA099

QUARTERDECK **$389**

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline **1 800 150 084**
Sales Lines Open 9am til 6pm Monday to Friday

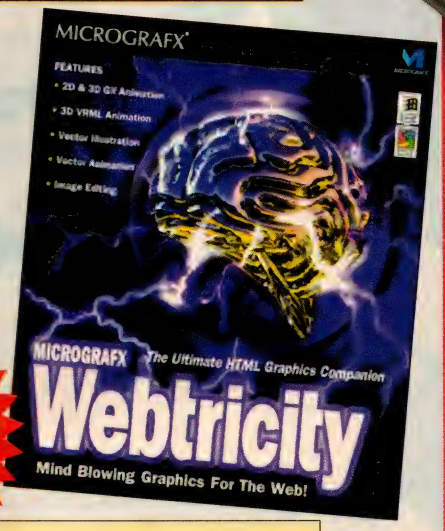
VISA MasterCard

GRAPHICS

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Micrografx Webtricity

The perfect companion to the leading HTML editing tools



Wired for Power, Webtricity makes your page come to life. Separate your self from the pack by taking advantage of the power and ease-of-use of Webtricity. Webtricity brings the best of the new wired world to you, by delivering the best of breed applications specifically addressing the needs of the internet, while not hindering your creative style. Webtricity provides seamless integration with your existing HTML editing tools. Improving your web image.

Web Art
Utilise any of the 45,000+ pieces of Web content to get your Web page jump started including: HTML page templates, pre-defined GIF or JPG buttons, icons and logos or 3D objects saved as VRML 2.

Micrografx QuickSilver™ ActiveX control
makes it easy to include vector graphics, created in **Micrografx Designer™**, into Microsoft Frontpage™. QuickSilver provides you with the unique advantage of adding interactive vector objects to any Web page.

Simply 3D 2
offers you the ability to easily create and animate 3D objects for inclusion into your HTML editor. Saving them to VRML2. GIF 89a or AVI's is a snap. Powerful enough to the professional, easy enough for the enthusiast.

Picture Publisher's
GIF and JPEG savers make it easy to create Web output that contains the highest quality image at the lowest possible file size. before placing them into your HTML editor.

ALL YOUR INTERNET NEEDS

MICROGRAFX

"Coming from the Mac, I thought 'no way' on the PC, but Webtricity just blew me away with it's depth and breadth of professional power. Combining photo editing, 3D, VRML2 and Vector Illustration into one integrated suite makes it a perfect solution for the Web designer".
- Steve Swift 40 year Mac User.

MGF100 **Micrografx Webtricity** **$199**

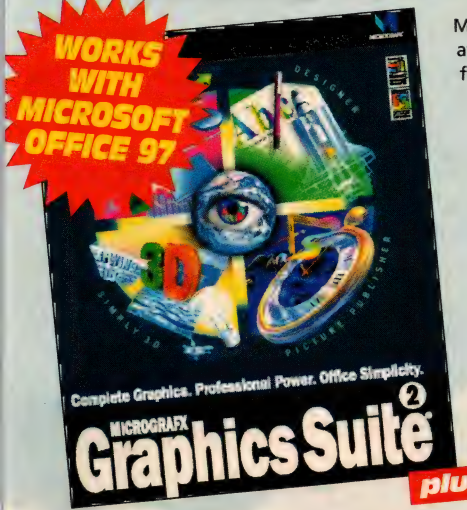
Micrografx Graphics Suite

MICROGRAFX

Designed for Microsoft Windows 95

Professional illustration, Image editing and business diagramming

WORKS WITH MICROSOFT OFFICE 97



Micrografx Graphics Suite 2 has everything needed for any kind of graphics. This is an award-winning collection of four integrated applications which combines professional features with Microsoft Office simplicity and incredible value.

Picture Publisher
Photographic image editing, natural media painting and Internet graphics.
The leading Windows image editor offering powerful photo retouching, objects and layers, natural media brushes, 50+ image effects, GIF and JPEG support for Web plus Wizards for the most common image editing tasks.

Designer
The most powerful drawing, desktop publishing & technical illustration tool.
Designer 7 added a new level of object creation with powerful Boolean operations, Bitmap handling tools, Dynamic blends and QuickSilver events and triggers for making interactive graphics for the internet.

FOUR INTEGRATED APPLICATIONS IN ONE

FlowCharter
The most intuitive way to create business diagrams.
The most intuitive, powerful diagramming tool to create and analyse business diagrams. Includes 3,800, charts wizards, drawing tools, and interactive flowcharts.

Outrageously easy 3D graphics and animation.
Add 3D to anything quickly and easily with Simply 3D 2. Make 3D images and animations for the internet, presentations, illustrations, and video.

Micrografx Media Manager 2
Graphics Organiser, clip art browser, & scratch engine.

Micrografx QuickSilver 3
Netscape plug-in, Microsoft Active X control & Java & VB script support

MGF101 **Micrografx Graphic Suite** **$459**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders. **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

INTERNATIONAL SOFTWARE WAREHOUSE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

MasterClips™ 150,000 Clip art

World's largest and best Clip art collection ever!

With Masterclips 150,000 you,ll find all the images you need to create stunning newsletters, brochures, documents, greeting cards ,web pages, multimedia presentations, signs, banners and much, much more! Choose from a premium collection of dazzling clip art, spectacular MasterPhotos, True Type fonts, lively web icons, exciting sounds and captivating video clips. It's easy to perfect any design using MasterClips150,000!

Why MasterClips is the Premium Image Collection!

With MasterClips 150,000 you'll get an incredible collection that includes all the clip art, photos, fonts sounds, web images and video clips you've ever wanted. Each image has been hand picked to ensure the highest quality for maximum impact. You'll find a variety of art that will give all your creations 'the professional look'. Search for the perfect image using either the global cross-category browser or the printed image catalogues. With MasterClips 150,000, you get a truly remarkable , premium image collection!

World's Biggest and Best!

CD

Amazing Value!

MasterClips 150,000 is ideal for the following applications:

- Newsletters
- Web Pages
- Signs
- Banners
- Greeting Cards
- Documents
- Presentations
- Desktop Publishing
- And much, much more!!

MasterClips 150,000 includes:

- **101,00 Clip Art images**
- 54,00+WMF vector format clip art images - over 180 categories of fully - scalable, top quality, high resolution clip art images
- 47,000+TIF images from the world renowned Dover Collection
- **47,000 photos**
- 41,800+ JPG MasterPhotos, including historical images 5,200+ professional quality JPG MasterPhotos in 16 million colours and 240 DPI
- 2,000 True type fonts including 300 handwriting fonts
- 1,400+ Web images in GIF format
- 700 of the most exciting sounds
- 20 captivating video and animation clips

No.1 in UK
No.1 in Aust.
No.1 in USA
No.1 in Germany
No.1 WORLDWIDE

UNPRECEDENTED!

STOCK CODE: IMS011

$129.95

IMSI

MasterClips™ 101,000

Bigger and better than ever!

IMSI have created a spectacular collection of 101,000 scalable clip art images, photos, sounds, fonts, video and web images that can be used for brochure design, signs, web pages, banners or anything you have been wanting to design but never had the facilities - until now! With Masterclips 101,000 you can quickly and easily select each image using the supplied art manuals or the powerful image browser, which enables you to do a unique global cross-Category search using key words. Every piece of art is visible onscreen and is easily accessible, just drag-and-drop or copy-and-paste into numerous applications- fast!

- 33,000 fully scalable, vector images
- 40,000 etchings, drawings and engravings
- 26,000 spectacular photos
- 2,000 dazzling True Type fonts
- 500 of the most popular sounds
- 20 captivating video and animation clips
- web icons to liven up your page

NOW ALSO AVAILABLE FOR MACINTOSH

IMSI

MAS011 MASTERCLIPS™ 101,000 ..... **$79.95**

MasterClips™ 35,000 Edition

IMSI

Masterclips Premium image collection has all the art you'll ever need in this most complete collection of professional quality images - ever!

And it's all at your fingertips via Masterclips MediaPaq Browser that allows you to view, file, manipulate and store any image, font, photo, video clip and sound effect with ease. With Masterclips MediaPaq Browser's extensive import capabilities (up to 36 formats supported) you will be able to preview, view, listen to, or watch almost any graphic, font, sound or animation on electronic media.

- 33,000 fully scalable, vector images
- 1,000 stunning photos
- 1,000 incredible True Type fonts
- 150 of the most popular sound effects
- full library of video and animation clips

Please Note:
All images from 35,000 are in 101,000 and all images from 101,000 are in 150,000

MAS010 MASTERCLIPS™ 35,000 ..... **$45**

IMS015 MASTERCLIPS™ 35,000 (25 user pack) **$519**

Master Publisher

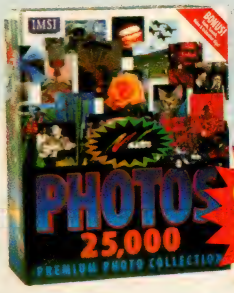
Powerful, professional desktop publishing made easy!

Master publisher Premium Publishing Suite gives you everything you need to be a Master Publisher in one package! TurboPublisher lets you lay out and design professional looking documents. TurdoDraw, a full featured drawing and illustration program, helps you create impressive graphics quickly and easily. Also included in Master Publisher are 20,000 Premium MasterClips images, 1,000 stunning MasterPhotos, 2,000 MasterFonts and the powerful browser lets you use keywords and the unique cross-category search engine to instantly find the images you need. Master Publisher Premium Publishing Suite is perfect for newsletters, brochures, greeting cards, signs, presentations, the Internet, school projects, desktop publishing and much more!

STOCK CODE: AUS160

IMSI **$79.95**

MasterPhotos 25,000 Edition



MasterPhotos™ includes 3,500 high resolution colour photos, 15,000 medium resolution colour photos and 7,500 black and white historical photos. As an added bonus, you'll receive 1,000 fonts, 500 sound effects and 150 video and animation clips. MasterPhotos™ is ideal for newsletters, signs, greetings cards, web pages, presentations, desktop publishing and much more.

SUPER VALUE

IMSI

STOCK CODE: AUS161

$49.95

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline **1 800 150 084**

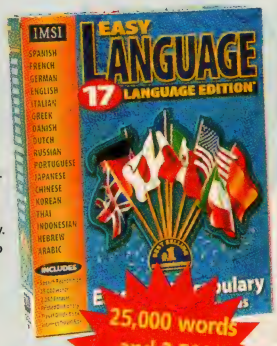
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Easy Language 17 in 1

Essential Vocabulary and pronunciation in 17 Languages!



With Easy Language: 17 Language Edition, just a few minutes a day is all it takes to learn and communicate in over 144 countries in 17 languages. See and hear thousands of pictures. Record and playback your voice and rate your pronunciation with state-of-the-art speech recognition technology. Then, take a guided tour through multimedia video clips and photographs of each country, or explore over 600 web sites on our exclusive World Access home page. Easy Language: 17 Language Edition is perfect for beginners, travellers, students, international business people, internet explorers and hobbyists.

Features

- 25,000 words and 2,250 phrases, in 17 languages
- Cross language learning: Select your native language from any of these: English, French, German, Italian, or Spanish.
- State-of-the-art Speech Recognition technology
- Excellent Record & Playback feature
- Multimedia Videos & stunning photographic tours of 9 countries culture, history, & people
- Online multilingual dictionary for easy word searches & translations
- 17 language Pocket Dictionary to take along with you
- Get the most out of your trip with our bonus Travel Guide Book "Travel Smarts!"
- Make airline reservations online with Travelocity,the premier online booking service and travel information site

NEW PRODUCT

STOCK CODE: IMS012

IMSI™ **$74.95**

WinDelete v3

IMSI

When you install Windows software on your PC, go on-line, or crash your system, clutter builds up on your hard drive. To clean up the clutter and improve system performance, you need more than just another uninstaller. You need an uninstaller that can tell the difference between the garbage and the critical stuff. You need Windelete - *the safest, easiest and most complete way to keep your system running smoothly and efficiently.*

CD

Includes 3 FREE! applications

- World's leading antivirus software
- Office Central file organiser
- Trouble-shooting, benchmarking utility

Features

- Uninstall any Windows' 95 or 3.1 software
- Safely delete applications and related files
- Archive instead of deleting old files
- Free hard disk space & improve system
- Control Internet plug-ins & downloads

Designed for Microsoft Windows 95

3.5

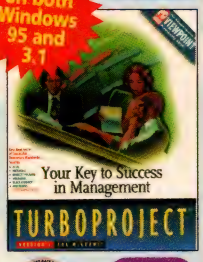
IMS004 WinDelete V3.0 ..... **$44.95**

TurboProject

IMSI

The easy way to keep all your projects on time, on budget and under total control!

Works on both Windows 95 and 3.1



TurboProject brings the corporate secret of successful project management to the small office/home office. It's never been easier to plan, manage and communicate every stage of any kind of project. Manage one or many projects simultaneously. You can even drag and drop objects between projects or WBS limbs without losing dependencies and workflow! TurboProject guides you through your project management planning by allowing you to expand on the sub-components of your project individually. Now you can handle schedules and resources with total confidence.

As Used By:

• INTEL • MOTOROLA • • HEWLETT PACKARD • ROLLS ROYCE • • ROVER GROUP • BLACK AND DECKER • • SEARS INDUSTRIES • AND MORE...

PC MAGAZINE EDITORS' CHOICE

3.5

IMS003 TurboProject..... **$149.95**

TurboCAD 2D/ 3D v3!

IMSI™

Includes 10,000 Symbols FREE!

TurboCAD 2D/3D is the world's best selling 2D CAD program, with the PC press consistently rating it number one in its category. It's the most significant release of any CAD software this decade! And now, it even includes a 3D module and 10,000 symbols absolutely free. The best thing about TurboCAD is that anyone can use it. With its whole new MS Office look-alike toolbars and interface, TurboCAD is designed for all types of users, both professional and entry level. Large or small jobs are done quickly and easily, with a massive array of tools for creating and adding symbols via drag & drop, editing entities, copying, moving, rotating, dimensioning, hatching and so much more. Handle-based editing makes changes really simple. The Help is so good it even teaches you CAD. Design anything you want, from a transistor, floorplan or new office, to a bridge or even a city!

Designed for Microsoft Windows 95

TurboCAD is powerful, and includes all the features you'd expect from much higher priced products. It consistently out performs products like AutoCAD LT, with superior file handling and DXF and DWG import/export capabilities.

We could go on all day, but don't take our word for it, PC Direct (May 1996) say... **"TurboCAD is an exceptional package.... it's the CAD bargain of the decade."**

CAD Choice RECOMMENDED

WINDOWS MAGAZINE 1995 WIN 100

AUTOCAD COMPATIBLE

PC Direct RECOMMENDED BEST BUY

PC Plus VALUE AWARD

WINDOWS 3.1 COMPLIANT WINDOWS 95

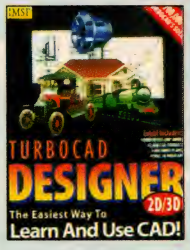
STOCK CODE: TURO67

$149.95

TurboCAD Designer 2D/3D

IMSI

TurboCAD Designer 2D/3D is the easiest way to turn your ideas into reality.



Based on the award winning TurboCAD technology, Designer delivers state of the art results, without complexity. The "Complete Guide to Learning and Using CAD" will take you from the 'First Law of CAD' to actual finished projects! Hobbyist or Professional, Student or Teacher - TurboCAD Designer 2D/3D gives you everything you need to enter into the exciting, productive and fun world of *computer aided design*.

Perfect for:

Remodelling, CAD Instruction, Landscape Designs, School Projects, Hobbies & CraftsHouse Plans, Kitchens & Patios, Model Creation & more...

Extra Includes:

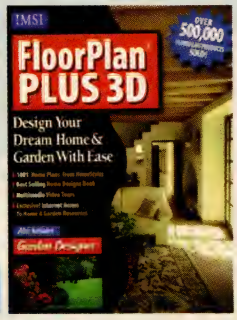
- Complete CAD Book
- 2,000+ CAD Symbols
- Full 3D Modeller
- 100 HomeStyles® Plans

IMS007 TurboCAD Designer 2D/3D **$65**

FloorPlan Plus 3D

NEW PRODUCT

Use FloorPlan to design your own home or office.



Design and plan your home or office quickly and easily with FloorPlan Plus 3D, the best selling Home Design and Space Planning Program. Quickly and easily create 2-dimensional plans choosing from over 300 items including walls, floors, staircases, furniture, even roofs and chimneys then view and walk round your plan. Great for exhibition stands, kitchens, even extensions and whole houses. For just 2D plans, try Floorplan Plus V2.

IMSI™

THR008 FloorPlan Plus 3D **$69.95**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

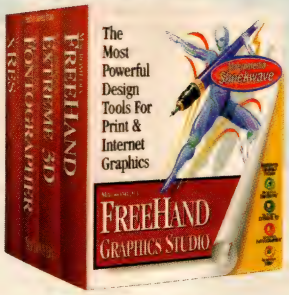
- We will beat any advertised price on any identical product. Subject to terms & conditions P1. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an International company we have won more awards for products and services than any software mail-order company. **No.1 Service**

INTERNATIONAL SOFTWARE WAREHOUSE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Freehand Graphics Studio



- **Freehand 7.0** The professional graphics tool for the Macintosh is now available for Windows. Long established as the tool of choice on the Mac, this latest version brings new levels of power, creative control and flexibility to professional graphic designers
- **XRes 3.0** a complete suite of hi-res image manipulation tools recently upgraded it now has ` full internet "streaming" support
- **Extreme 3D** The easiest and quickest way to move from 2D to 3D graphics with all the power the professional requires, now includes particle animation and meta forms for creating organic shapes and models
- **Fontographer 4.1** Gives you the tools to scan, edit or create your own fonts

Freehand 7.0 features include:

- Cool Effects - fully interactive enveloping, roughen, charting and blending tools
- Transform bitmaps into vector art! - with the full colour autotrace tool
- Use Shockwave for Freehand to view vector based graphics on the Web. You get up to 25,000 levels of some without losing resolution.

The Freehand Graphics Studio includes:- Freehand 7, Extreme 3D, X-Res 3.0, & Fontographer 4.1

MAC017 FreeHand Graphic Studio V7 Win 95/NT CD..... **$695**

QuarkXpress for Windows 3.32

The choice for publishing software worldwide

Soon after QuarkXpress™ was introduced, it became the standard for excellence in professional publishing. It offered new flexibility and un-heard of precision. Today, QuarkXPress remains the layout and design choice of the world's top publishers. In fact, most of the magazines and newspapers you are familiar with are created with QuarkXPress (this one is). When you need to create business cards, annual reports, full colour brochures, magazines, or catalogue, your publications will benefit from the precision, power, and flexibility of QuarkXPress.

The power of QuarkXPress is harnessed by a simple, intuitive, and elegant interface. Behind the interface is one of the most powerful publishing programs available. Seven floating palettes work together to give you quick access to the sophisticated colour, tools, measurements, document layout, and library controls that have made QuarkXPress the industry standard.

QuarkXPress offers the most sophisticated features available in any electronic publishing program. The included Efi-Color XTension ensures that the colour you see on the monitor matches the colour the colour you get off the press. Built-in trapping controls ensures that colours on the page fit together. With variable-shaped text boxes, automatic drop caps, colour blends, and the ability to flip and scale page elements, you have unlimited possibilities for page design – and the powers to realize those possibilities.

QUA003 Quark Xpress for Windows 3.32 ..... **$1825**

Kai's Power GOO

Pull a face with Kai's Power GOO. Image manipulation that's fun and easy to do.

Choose from 80 included images!

With this Variety of tools you can GOO absolutely anything you want. Maybe the image of a friend or a member of your family, a famous politician even the family pet can't escape the effects of GOO. Watch on screen as you smudge and alter their image with the revolutionary tool palette that is so easy to use.

- **GOO is Fun**
  Turn still pictures into images that feel like liquid on your screen. You've never seen anything like it.
- **GOO is Versatile**
  Use Fusion™ tools to blend pictures together- combine the eyes of one image with the face of another.
- **GOO Anything**
  Choose from 80 included pictures, or images from digital cameras, picture files, scanners, Photo CD, video capture or the Internet.
- **GOO is Easy**
  Revolutionary floating user interface is simple to use. It's for everyone from 4 to 104.
- **GOO Moves**
  Create movies from your pictures. Save in QuickTime, AVI or compact "GOOvie" format.
- **GOO is Flexible**
  Create screen savers, presentations, Web pages, t-shirts, mugs, greeting cards, calendars and more.

MetaTools
Realtime Liquid Image Software

CeBIT HIGHLIGHT 1996 CHIP Software

PERFORMS UNDER WINDOWS 95

"Prepare to be GOO'ed"

STOCK CODE: KAI003

$94.95

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline **1 800 150 084**
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

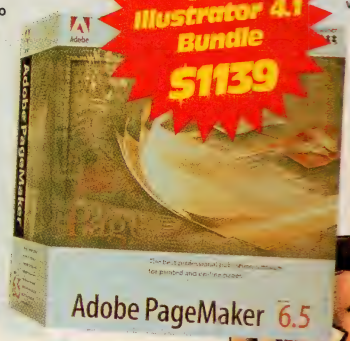
IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

PageMaker 6.5

The hottest desk top publishing software around!

One of the first things you'll notice and appreciate about PageMaker 6.5 is how beautifully it performs. Opening and working with files created in earlier versions is smooth and easy—and the new version streamlines sharing files with other users, too, so you can keep a project moving along fast. Sometimes arriving at a page design that looks and feels just right requires a lot of twists and turns along the way. Adobe PageMaker 6.5 is up to the task, ready to adjust with your every move. You can change page orientation. alter the size and experiment with column guides. You can even apply a new master page, and the program will adjust the layout of your page to meet your new specifications. It's a great tool for turning printed pages into on-line pages.

- Open and work with files smooth and easily
- Adjust the master page layout to meet your specifications
- Experiment with column guides
- Use document layers which you can export, view, edit
- Multiple languages facilities
- Alter the size
- Keep the project moving along fast!



When it comes to designing hard-working publications, Adobe PageMaker 6.5 takes the uncontested lead. Because with document wide layers, you now have the capability to assign objects to separate layers. Then, just turn them on or off when you want to view, edit, export, or print their contents. It's the most flexible, efficient way to create publications in multiple languages, customised by region, or with annotations.

Want to get a head start on a page layout?
With text and graphics frames, you don't have to wait for real words or graphic elements—just save them a place. Frames let you preset position and size, then fill in the rest later. Of course, you can still design pages as usual—with the free-form ease synonymous with PageMaker. You can even mix and match approaches within a publication. It's completely up to you.

ADO031 Adobe PageMaker 6.5 ..... **$979**

Illustrator 4.1

Drawing by hand with the speed of a computer!

Adobe Illustrator 4.1 is a program that combines the ease and speed of a computer with the control of fine detail formerly possible only when drawing by hand. This package excels as an art production and illustration tool for whether you are a graphic designer creating original artwork, a production artist designing layouts or generally anyone in the art field who needs the use of a compact drawing package whether at home or in the studio.

Adobe Illustrator also works with PageMaker 6.5 by dropping your Illustrator file directly into PageMaker 6.5, you can import files directly which means you don't have to convert Adobe Illustrator files to EPS format. Cutting back on the number of files you have to manage.
The new Hyperlinks palette makes fast work of creating hyperlinks within PageMaker or to any URL on the World Wide Web. Jumps are easy to define, and you can even drag and drop a URL right into PageMaker without having to redefine the link.
If your work travels between paper and the Web, you'll get plenty of mileage out of the enhanced HTML Export plug-in. PageMaker also fully supports Adobe Acrobat® 3.0 software, so when HTML doesn't quite meet your needs, just export your visually rich pages as Adobe Portable Document Format (PDF) files. At their on-line destination they'll remain true to the original, because PDF retains everything - colours, graphics,photographs, layout, even distinctive typefaces.

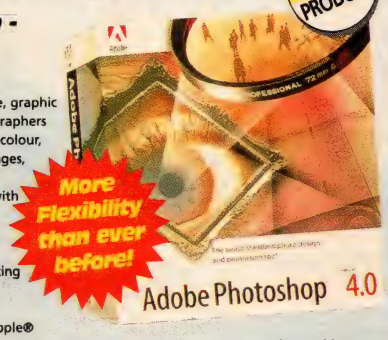
ADO008 Adobe Illustrator 4.1 ..... **$599**

Adobe Photoshop 4.0

NEW PRODUCT

Adobe Photoshop - a camera for your mind!

With Adobe® Photoshop® software, graphic designers, Webmasters, and photographers can create original artwork, correct colour, retouch and composite scanned images, and prepare professional-quality separations and electronic output with more flexibility than ever before. With a wealth of powerful painting and selection tools, plus multiple layers, special effects filters, and lighting effects.



Adobe Photoshop version 4.0 for Apple® Macintosh and Microsoft® Windows platforms delivers major enhancements to the world-standard photo design and production tool. Since its introduction in 1989, Adobe Photoshop has been the definitive application for digital image enhancement, retouching, and photo compositing. Available in 18 languages, Adobe Photoshop is also the de facto standard for preparing images for the World Wide Web.

Many users have requested an easier way to align elements in a multi-layered file, so Photoshop 4.0 supports custom Guides and Grids. Version 4.0 also includes digital watermarking, provided by Digimarc Corporation, for image copyright protection and artist information. Forty-eight artistic filters enable designers to apply unique effects to digital artwork.

Photoshop New features

- Used by designers, illustrators, photographers, videographers and multimedia authors
- Edit scanned images, digital photographs and computer generated images.
- Prepare images for the World Wide Web
- Key new features include Actions, The Navigator, Free Transform, Digital Watermarking and much more!

Refinements made to the Photoshop interface in Version 4.0 match those being made across the Adobe graphics product line, providing more consistent access to commands and tool palettes and enabling users to work quickly, even when switching between multiple applications. Adobe Photoshop 4.0 takes advantage of the latest operating system advances, with support for symmetric multiprocessing on Microsoft Windows NT and Macintosh systems, as well as broad optimisation for the new Intel(R) MMX chip architecture. The Macintosh and Windows versions of Adobe Photoshop 4.0 share a common feature set and user interface layout, and all data file formats are fully interchangeable on Macintosh and Windows platforms.

ADO030 Adobe Photoshop 4.0 ..... **$979**

Adobe Acrobat 3.0

NEW PRODUCT

The fastest way to publish any document on-line!

Adobe Acrobat 3.0 empowers everyone in your company to create and share business documents across platforms with their original look and feel intact. It includes a complete toolset for converting electronic files created in your favourite applications into Adobe's Portable Document Format (PDF) and publishing them on your Web site,intranet, CD-ROM, or by e-mail. Whether you're an executive using Microsoft® Office products, an engineer using a CAD program, or an art director using desktop publishing software, you can quickly deliver business documents to a colleague or to the entire company, without re-authoring or learning new applications.

Anyone with a browser and free Adobe Acrobat Reader software can instantly access PDF files on the Web. Since Acrobat is independent of platforms, applications, and distribution media, it is the ideal basis for your long-term document distribution, archiving, and retrieval strategy.

ADO029 Adobe Acrobat 3.0 ..... **$299**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an International company we have won more awards for products and services than any software mail-order company.

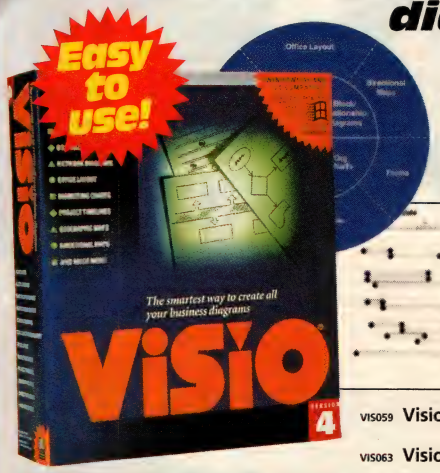
All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Visio, Visio Technical, or Visio Professional - Which product is best for you?

Everything you need to create professional diagrams & technical drawings!



Visio 4.0

Stunning business diagrams in no time at all!

Visio 4 is the smartest way to create all your business diagrams. That's because it does the tough part of business diagramming for you. Visio 4 can be used by almost everyone in the workplace, who has the need to communicate with graphics - from human resources and marketing management to administrative personnel Visio's ease of use and incredible versatility makes it ideal for anyone who needs to clarify and manage an organisation, processes, or information.
Visio is optimised for 16- and 32- bit operating environments in the same box, with support for Windows 3.1, Windows 95 and Windows NT 3.51 and higher.

- Flowcharts
- Block Diagrams
- Relationship Diagrams
- Organisational Charts
- Basic NetworK Diagrams
- Mind Mapping
- Diagrams
- Office Layout
- Marketing Charts
- Project Timelines
- Geographic Maps
- Directional Maps
- Basic TQM

VISIO

VIS059 Visio 4.0 CCP Upgrade $109

VIS063 Visio 4.0 10 user license pack $1825

ONLY $229

STOCK CODE: VIS060

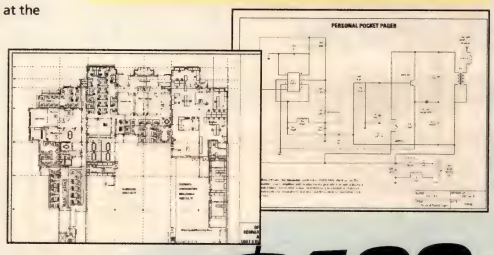
Visio Technical

VISIO TECHNICAL

Create and share technical drawings efficiently!

Visio Technical users are professionals using technical-orientated drawings. Engineers, designers, and architects often need to communicate with the types of measured and schematic drawings shown at the bottom.
Visio Technical includes everything in the Visio base product as well as some powerful new features.
Its ability to import and export DWG/DXF files lets users share their Visio Technical drawings with AutoCAD users, and visa-versa. With Visio Technical's new Database Wizard, you can link a Visio Technical shape or drawing to external ODBC-compliant databases. It includes 16- and 32-bit versions for Windows 3.1, Windows 95 and NT 3.51 and higher.

- Space Planning
- Facilities Management
- Construction Drawings
- Heating, Ventilation and Air Conditioning
- Electrical Schematics
- Process Plant Design
- Piping and Instrumentation
- Mechanical Engineering
- Manufacturing and Assembly Drawings



VIS068 Visio Technical CCP Upgrade $269

VIS078 Visio Technical 10 user license pack $3299

$429

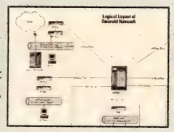
STOCK CODE: VIS069

Visio Professional

For the IT experts!

NEW PRODUCT
TQM/ISO 9000 Diagrams
Process Analysis Charts
Web Site Design and Publishing
NEW!
The Smartest Way to Design and Document Your Information Systems and Business Processes
VISIO PROFESSIONAL

Visio professional users are IT professionals- such as LAN Managers, IT directors, Database Analysts, Software Developers and Web Masters- and Business Process professionals. They need to visualise the IS infrastructure that underlies their organisation and the process that make their business run.
Visio Professional includes everything in the Visio base product and features great new content: new SmartShapes® symbols, like IDEFØ process shapes, over 350 new network equipment shapes; application development methodologies like Booch, Youdon, Fusion and more; all new wizards for database mapping and design/creation, web site and network diagramming; and improved database connectivity. In addition, Visio Professional includes Microsoft Visual Basic for Applications (VBA), making it even easier to create and distribute custom Visio solutions.



INFORMATION SYSTEMS

- Advanced Network Diagrams
- Web Site Maps
- Entity Relationship Diagrams
- Database Design
- Software Development
- Data Flow Diagrams
- COM Object Diagrams
- User Interface Diagrams

BUSINESS PROCESSES

- Processes Flowcharts
- Workflow Diagrams
- TQM Diagrams
- Fishbone Diagrams
- ISO/QS Certification Charts
- Activity-Based Cost Models

STOCK CODE: VIS080

$495

VIS081 Visio Professional CCP Upgrade $299

VIS082 Visio Professional 10 user license pack..... $3849

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline 1 800 150 084

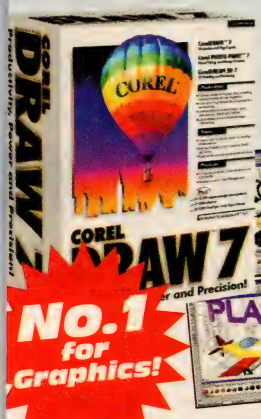
Sales Lines Open 9am til 6pm Monday to Friday

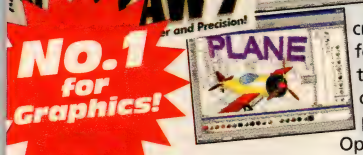
VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

COREL DRAW 7

Productivity, power & precision!





NO.1 for Graphics!

Exceed the boundaries of traditional design with CorelDRAW 7. Created for the professional illustrator, graphic artist and desktop publisher, CorelDRAW 7 leaps ahead, capitalising on its strengths and giving you even more enhancements and features.

Packaged with Corel PHOTO-PAINT 7 for photo editing and bitmap creation plus CorelDREAM 3D 7 for 3D modelling and rendering, the graphics suite makes optimum performance a top priority by delivering faster Open/Save and Redraw across all applications. Increase your productivity with new context-sensitive property bars and a revolutionary customisable user interface that lets you edit icons, arrange toolbars, toolboxes and more. Interactive tools and utilities provide you with on-screen feedback, making the design process so much more intuitive.

COR491 **Corel DRAW 7.0** **$670**

COR492 **Corel DRAW 7.0 U/G** **$379**

COREL Print & Photohouse

Corel Print & Photo House offers a comprehensive set of powerful drawing and photo-editing tools perfect for all your home office or small business projects.

With a full library of clipart images, ready-to-print sample files, photos, phrases, and fonts, creating professional-looking projects is easy. The fully customisable design tools are complemented by an intuitive interface to help you achieve the original look you want. Use the Notebook, a handy on-screen help feature, to guide you through tasks. Both novices and experts alike can design unique and personalised greeting cards, stationery, banners, certificates, business forms, signs, recipe cards, calendars, photo album pages and more, in a few simple steps.

COR490 **Corel Print & Photohouse** **$79.99**

Corel Click & Create

Creative multiple presentations by dragging and dropping your objects onto the playfield!

Corel® Click & Create™ puts you on the cutting edge of 16 and 32-bit multimedia authoring. Explore your creativity as you visualize and develop you own CD-ROM games, multimedia titles, corporate presentations, training and educational materials, screen savers and more with the ease of drag and drop functionality. Powerful tools and comprehensive libraries offer amazing flexibility, allowing you to combine text, graphics, video, animation and audio into an endless array of professional-looking projects. Instead of learning a complicated scripting language, drag and drop objects the playfield and then assign and control the objects behaviour with simple mouse clicks. Corel® click and create™ is your easy and powerful multimedia authoring tool!

Ease of use

- Drag and drop objects for easy placement on playfield
- Customizable application menus
- Easily resize applications
- Animations, picture, morphing and button editors

Power

- Full 16 and 32-bit Windows development packages
- Video game performance
- Complete object-oriented development
- Open development architecture
- Extensibility with DLL extension kit
- Multiple sound channels
- Variable speed transition effects
- Full-screen multidirectional scrolling
- Full RTF text search and retrieval
- RTF text import
- Specialized game building tools

Incredible Value

- 200+ fonts
- 1,100+ clipart images
- 250+ video clips and animation files
- 100 graphic-packed libraries including complex 3D images
- 100+ pre-made transition effects
- 150+ backgrounds

- Test applications with just one click
- No need to compile or assemble – results are instant
- Speed-independent option allows games to run at same speed on different PCs
- Save as a standalone .EXE file
- Option to save with a setup program \
- De-installer saved with standalone application
- Automatically spans floppy disks using compression

STOCK CODE CD: AUS223 **$899**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders. **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

GRAPHICS

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Autodesk

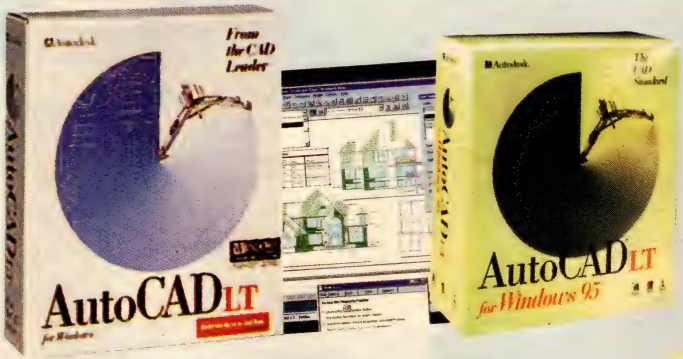
The World's No.1 choice for CAD & design software!

AutoCAD LT V2.0 CD

Stock code: AUZ013

$419

AUZ014 AutoCAD LT U/G V2 To Win 95 CD..... **$365**



AutoCAD LT Windows 95

Stock code: AUT03

$779

the only choice for professional CAD users

Make the right choice. AutoCAD LT is the professional CAD package chosen by more than 250,000 designers worldwide. It's ideal for creating architectural plans, electrical wiring diagrams, mechanical assembly drawings, circuit-board designs... in fact, almost any application you can think of. AutoCAD LT has the most comprehensive set of features and tools for fast, efficient and high quality design and drafting work. No other CAD package can offer better value - just check out the details for yourself.

It's also really easy to learn and use, so you'll be creating drawings from the word go. Whether you're making the move from the drawing board to the PC, or if you're already an experienced CAD user, AutoCAD LT is the best choice. And because it's from Autodesk, the worldwide number one supplier of design software, AutoCAD LT is the only CAD software with genuine 100% file compatibility with AutoCAD, which means that you can effortlessly exchange drawings with over 1.7 million other users.

And now there are two versions to suit your needs.
The brand new AutoCAD LT for Windows 95 meets Windows 95 and Office 95 standards, delivers true 32-bit performance and is fully compatible with AutoCAD Release 13. And if you're not using Windows 95, it's not a problem AutoCAD LT for Windows 3.1 gives exceptional performance at functionality at an even lower price. So whatever your needs, AutoCAD LT is the right choice.

What the press say about AutoCAD LT

"In the low-cost CAD software bracket AutoCAD LT comes top"
Personal Computer Magazine, December 1995
(Also won Personal Computer Magazine Reviewer's Choice award)

"Excellent value for low-end users"
Martin Klimes, PC User, October 1995

"Professionals will appreciate the depth of 2D and 3D commands"
PC Pro, September 1995

"Excellent entry-level CAD package, that is now even easier to learn"
Martyn Day, Personal Computer Magazine, December 1995

- From the makers of AutoCAD, the world's most widely used design software
- Used by more than 250,000 design professionals worldwide
- Powerful 2D CAD functionality
- Comprehensive 3D CAD tools and viewing capabilities
- Easy to learn, so you'll be up to speed in no time
- View and compare AutoCAD and AutoCAD LT .DWG and .DXF files
- View popular image and vector file formats, including .GIF, HPGL and many more
- Redline CAD image and vector files and others
- Access popular database, spreadsheet, word-processor and presentation graphics files
- Safeguard original documents from unauthorised modifications
- Build an information system by adding text notes to files and creating links between related documents

Index

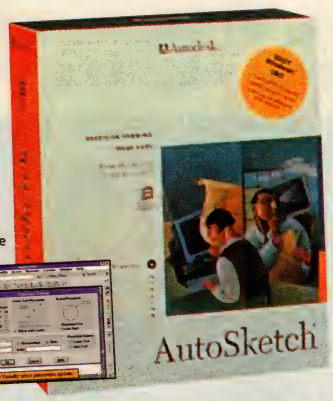
Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

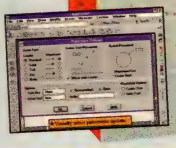
AutoSketch 2.1 for Win 95 & 3.1!

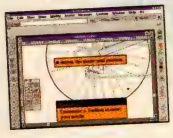
The power of CAD with the flexibility of an illustration programme at an amazing new price!

AutoSketch Release 2.1 gives you the drawing power you need from day one. Bring your ideas to life immediately with this powerful new version of AutoSketch that gives you the results you want. If you can think it, AutoSketch can draw it. Rapidly explore the widest variety of design options and create unique designs to precise scale using the powerful feature set of AutoSketch. Select pre-drawn symbols from the extensive library or create your own, saving them for use in other drawings. Quickly add patterns and textures for realistic detail. And customise the toolboxes and templates for the way you work. It all adds up to real power at an entry level price

AutoSketch is perfect for all precision and detail drawings, concept sketches, technical diagrams, architectural layouts, electrical drawings, illustrations, presentation graphics and more. And of course, it's from Autodesk, the worldwide leader in design software.







What the press say about AutoSketch 2.1

" The best value for money solution in the budget CAD marketplace."
CADD, October 1995

AutoSketch Features:

- Easy to use interface: You'll be drawing within minutes of opening the box
- Flexible and extensive drawing toolset
- The precision and accuracy of CAD and the flexibility of an illustration package
- Hundreds of pre-drawn symbols
- SmartCursor & Quick help
- Runs under Windows 3.1 and Windows 95
- Standard and bitmap pattern fills
- Isometric drawing plans
- 256 named layers and patterns
- Aerial view • TrueType font support
- Custom toolboxes and templates
- Programming Macro language

Stock code: AUT027

$159

Drafix QuickCAD 95

A whole new concept for CAD software. Designed to give any Windows user the ability to create precision technical drawings,

QuickCAD requires neither sophisticated computer skills or drafting experience. Based on the award-winning Drafix CAD Professional, QuickCAD is not only easy for the new user but grows as user experience and confidence increases, to include a full set of professional features which make even the most complex drawings a snip. With associative dimensioning, TrueType font and drag & drop support, user definable icons, buttons and hot keys, plus a revolutionary CAD Edit bar, QuickCAD delivers awesome power at a bargain price. Fully compatible with AutoCAD and most other CAD and drawing programs. Now available in NEW 32-bit version for Windows 95 and NT.

Open multiple views & drawings and cut & paste between them.

Drafix has its own internal database of materials.

STOCK CODE: DRA006

$129

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

PaintshopPro - More than just a paint program!

NEW VERSION

JASC
JASC PAINTSHOPPRO
Photo Retouching • Painting • Image Format Conversion
Supports TWAIN Scanners • Built-In Special Effects • Screen Capture

Great Value

All the tools to create and edit all kinds of images, from web pages and photographs to screenshots and line drawings.

Plus screen capture and graphics conversion in a fast and easy to use package.

With a full range of brushes, extensive image controls, specially designed effects and support for industry-standard effects filters, Paintshop Pro offers the creative facilities of professional level products many times its price but remains fast enough for a quick change or a last minute polish. With screen capture and graphics conversion facilities its more than just a paint program and all at a remarkably low price.

Features

- Multiple selections
- Texture brushes
- Linear, Radial and Sunburst Gradient and Pattern Fills
- Choose any open image to use as a fill
- Create seamless tiles
- In-built special effects including Drop Shadow, Buttonize and Cutout
- Multiple line text with anti-aliasing and alignment
- Photo Retouching brushes allow you to apply photo retouching by hand Windows 95 and NT 4.00 only

AUS224 **Paintshop Pro v4** **$99**

Ornamatica

Automatically create ornamental borders. It's fast, it's fun and it's easy!

For adverts, menus, posters, certificates, invitations and a host of other DTP and graphics projects. Design them to fit the space you need – no more stretching predrawn borders to fit.

Infinite Possibilities

No drawing required, and no special fonts – just drag and drop any of the 5,000 specially-designed elements provided or import your existing WMF or CorelDRAW! clipart for infinite possibilities. Over 30 galleries of images for borders of all kinds from simple milled lines, through ornate certificates, victoriana and traditional designs to complex thematic illustrations.

Versatile

Elements can be resized and rotated in one degree increments individually or in groups. Quickly select corners, sides or alternating graphics and flip or mirror them at the touch of a button. Includes tiles for special occasions – party, xmas, weddings, certificates and more. You need never be stuck for a border or a piece of ornamental clipart again!

Windows 3.x & 95 versions in the same box!

NO Drawing Required

AUS225 **Ornamatica** **$59**

Illuminatus V3

Illuminatus features everything you need to make multimedia work for you!

Illuminatus gives you everything you need to create your own "edutainment" programs for kids-catalogues and newsletters on disk, computer-based training, special material for special needs, interactive curriculum vitae, multimedia encyclopedias, audio visual greetings cards, multimedia scrapbooks and more without the need for any programming skills.

Quickly and easily combine text and graphics!

You can quickly and easily combine text, graphic, sound, animation, video and actions onto screen-sized pages. Publish interactive multimedia documents on all kinds of floppy disk and CD-ROM. It's as easy to use as a DTP program but as powerful as an authoring tool.

Supports industry standard multimedia formats

Illuminatus v3 supports industry-standard multimedia formats including PCX, BMP, TGA, TIFF, Kodak PhotoCD, WAV, Midi, AutoDesk Animator FLC/FLI files, Microsoft AVI Video and MPEG motion video.

Includes Free CD-ROM!

Illuminatus includes over 5,000 clipart images, sound files, animations, icons and buttons plus over 100 professional-quality multimedia publications for you to adapt for highest-quality interactive programs in moments. Full tutorials are included.

AUS226 **Illuminatus v3** **$299**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** – We will beat any advertised price on any identical product. Subject to terms & conditions P2
- **Free Gift** – With every order choose a free gift from the selection on page 2.
- **Fast Delivery** – Overnight delivery on 90% of orders.
- **Free Delivery!** – We do not charge for delivery on orders over $200, providing they weigh less than 1Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** – We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** – Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** – We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** – As an International company we have won more awards for products and services than any software mail-order company.

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Professional business diagrams made simple!

KISS SOFTWARE CORPORATION

If you've ever wasted hours wrestling with a complex graphics program, SmartDRAW! is for you!

Built around an intuitive interface that makes short work of even complex drawings, SmartDRAW! is designed to do all the hard work for you, so you get really professional results with no training in minutes - not hours! You can use SmartDRAW! to create professional flowcharts, business forms, presentation slides, organisational charts, building plans, computer network designs - In fact whatever you want to draw!

Automatically create presentation quality flow-charts, diagrams and drawings

Users of SmartDRAW! can apply different colours to text, lines, shape borders, interiors and the drawing background. To simplify this, SmartDRAW! supplies a library of different colour schemes, or *Styles*, that can be applied to any drawing, using the *Colours and Styles* command. Styles can also add shadow effects, including some that give a raised 3D look to drawings and even text. Users can modify these styles and create their own. Using Styles makes it easy for users without artistic skill to create presentation-quality drawings.

Create your own Smart Drawings and Libraries

You can add your own shapes and symbols to any Smart Drawing Library, including new libraries that you can create yourself. Just draw a new symbol using SmartDRAW! or any other Windows drawing program. Copy it to the clipboard, and use the *Add New Drawing* command. So you can build libraries of shapes which are specific to your requirements.

What the press say

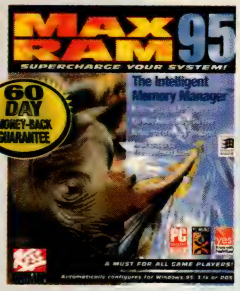
PC Plus Gold Award "You'll be surprised at how quickly SmartDRAW! lets you put together your diagrams."

PC Magazine "...a delight...gets you up to speed fast - and at a fraction of the cost of it's competitors."

STOCK CODE: KIS012

$99.95

Supercharge your system with MaxRAM 95!


MAX RAM 95
SUPERCHARGE YOUR SYSTEM!
The Intelligent Memory Manager
60 DAY MONEY-BACK GUARANTEE
A MUST FOR ALL GAME PLAYERS!

KISS SOFTWARE CORPORATION

The high performance memory manager for every PC!

Power and control at your fingertips

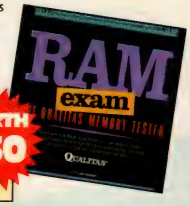
Today's applications are memory hungry. Windows 95, Windows 3.1 and DOS all benefit from the total system management provided by MaxRAM 95. Automatically configures for Windows 95, 3.1 and DOS, giving you the power to run more applications, faster. And as your system grows, MaxRAM 95 grows with you, working quietly in the background to ensure you get the most from your PC.

PC MAGAZINE EDITORS' CHOICE

PC WORLD BEST BUY

What's a "system resource manager"?

Total system management requires control of how Windows uses available resources. Old-fashioned memory managers were designed to give the impression of more RAM. MaxRAM 95 is different - it manages the way in which Windows uses all available resources including low DOS memory and the Windows "resource heaps" that your applications use for storage. MaxRAM 95 is the only product that does all this and doesn't rely on old-fashioned data compression to improve performance. MaxRAM 95 is the future of system management technology.



Plus FREE RAMexam!

WORTH $30

RAMexam protects your Windows applications from the dangers of RAM failures. It is the most advanced testing utility of its kind alerting you to even intermittent RAM errors every time you boot. Catch RAM failure BEFORE it does any real damage.

STOCK CODE: KIS010

$49.99

One-click system recovery. First time. Every time. Guaranteed!

60 DAY MONEY-BACK GUARANTEE

Automatically secure your system whether you are using Windows 3.1, 95 or NT!

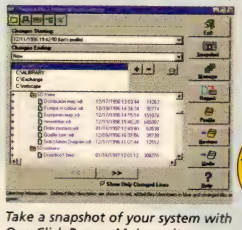
One-click Automatic system recovery

Have you ever installed a new program onto your PC only to find that your Windows system suddenly no longer works? You try to delete the new application, but can't because it has changed all of your system configuration files? Well have no fear, because the software lifeguard is here! Rescue Me! from the Kiss Software Corporation utilises state of the art technology to bring you a comprehensive configuration tracking and recovery tool for Windows '95, 3.1 and NT. With a single click of the mouse Rescue Me! can identify changes made to the system Registry, configuration files (including DLL's, EXE's and drivers), system hardware and network connections from

KISS SOFTWARE CORPORATION

What happens if you can't load Windows? Rescue Me! allows you to Restore to any previous Windows configuration from DOS Prompt.

- Peace of mind for every PC user
- Saves technical support calls
- Don't run new software without it
- Unintrusive - does not tamper with original configuration
- Automatic snapshot



Take a snapshot of your system with One-Click.Rescue Me! monitors changes to the system by another user or new software installation

Surf the Internet without fear:

Rescue Me! reports every new, deleted, or changed file on your system, so you can try the shareware, freeware, new patches, new drivers and commercial software or download from the Internet with confidence. If they cause a system crash, or create some other problemon your system, Rescue Me! instantly restores you back to the set-up you had before any risky changes were made.

KIS033 Rescue Me! (All Platforms).....**$CALL**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

INTERNATIONAL SOFTWARE WAREHOUSE

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

SuperCede

SuperCede is the next generation environment for the Internet application development.

Learning and using Java is made easy with the first visual on-the-fly Java development environment. SuperCede's Flash Compiler™ technology brings C++ levels of performance to Java.

The easiest way to learn JAVA

The Next Generation Internet Development Environment

SuperCede for Java is the first in a line of Internet development tools from Asymetrix. Its on-the-fly development environment enables developers to modify running applications and work at the rate that they think, and it's flash Compiler technology brings C++ levels of performance to Java by generating true native Executable files.

The easiest way to learn Java

Most of us prefer to learn by experimenting, rather than spending hours reading a text book. Traditional environments, with the tedious Edit/Compile/Load/Testcycle, make it difficult to learn by experimentation. Each time a developer makes a change to an application, the application must be recompiled and reloaded before it can be tested. SuperCede's on-the-fly environment allows developers to modify running applications and learn through experimentation.

RAD Productivity

SuperCede's interactivity extends beyond the implementation phase to the debugging stage of development. SuperCede's Debug Scratch Area can be used to interactively execute existing functions and to evaluate expressions of arbitrary complexity at full speed. Action Points allow developers to easily debug complex problems by associating an arbitrary series of legal Java statements with a trace point. SuperCede's Back Track feature allows developers to fix a problem in the current method, backtrack to before the method, was called, and retry the modified method. These fundamental improvements in the way that developers implement and test can result in a 5X improvement in productivity. SuperCede for Java provides seamless interopability between Java and C/C++ libraries, meaning that calling a library is as easy as implementing a new C++ function.

ASY016 **SuperCede** **$189**

WebPublisher

Create great looking web sites quickly

Now you can have one of the hottest sites on the Web! Asymetrix WebPublisher has everything you need to quickly put your personal interests, small business or community organisation on the World Wide Web or reach others on your company "intranet". No programming or graphic design skills are required, just pure fun.

NEW PRODUCT

Now that you've decided to publish on the Web, the challenge is to turn your ideas, products and services into exciting, informative, interactive and visually appealing Web pages.

In the past, you had to hire costly outside consultants or program your pages using HTML and Java, and learn separate graphic design software. But no more. Now there's Asymetrix Publisher, making it fun and easy for anyone to quickly create dazzling Web pages. Best of all, WebPublisher provides you with a completely integrated package at a truly affordable price.

Add or import your own text, still or animated graphics, titles, "Under Construction" graphics, your-mail address, and links to other pages and sites. Preview your Web pages and edit existing projects at any time. When you're finished, WebPublisher generates your pages and automatically displays them in your Web browser. It even transfers your Web pages to your Internet Service Provider or Intranet site. With Asymetrix Web Publisher everyone looks great on the Web!

ASY015 **WebPublisher** **$95**

Web 3D

Easy, Fast and Fun 3D Graphics for your Web Pages

Asymetrix Web 3D is the easy and affordable way to create dazzling, professional 3D graphics for World Wide Web Home Pages. Web 3D comes with a set of home page design elements, including buttons, banners, backdrops and text designs, and a library of pre-defined 3D models. Apply Web 3D's textures, lighting effects, and colours to your designs, with drag-and-drop ease.

Asymetrix Web 3D is the easy way to put incredible 3D images and design elements into your home pages. Millions of people are using the Internet for information, products, entertainment and more. Thousands of new Web sites are added every month to the World Wide Web. Compelling graphics and up-to-date information are the keys to getting new and repeat visits to your home page.

Until now, generating exciting 3D graphics and incorporating them into Web-compatible hypertext (HTML) required a sophisticated, expensive and difficult-to-use graphics software and UNIX workstations. Asymetrix Web 3D changes all that by bringing high performance 3D graphics to Web users using standard Windows computers at an affordable price.With Asymetrix Web 3D, you can turn ordinary, flat-looking Web pages into dazzling 3D marvels with eye-popping logos, bullets, text and images that are limited only by your imagination. Asymetrix Web 3D revolutionises Web page design by providing you with an affordable, easy-to-use graphics tool that lets you create professional 3D images and animations with ease and speed.

ASY007 **Web 3D** **$95**

Digital Video Producer

Capture the excitement of video on your PC with drag and drop desktop video editing.

Now you can quickly and easily assemble and edit multiple audio and video clips right on your desktop computer! Digital Video Producer can improve your Windows presentations, accelerate your training results, and add a new level of creativity to any multimedia project. Compile, blend, overlay, filter and animate video clips for dazzling special effects.

- Capture video to your hard disk with any video for Windows compatible capture card.
- Import and export a variety of file formats including: AVI, FLI,WAV,BMP, TIFF, PCX and GIF.
- Combine multiple video and audio clips quickly using an intuitive interface.
- Blend video clips using special effects including blur, ripple and emboss

ASY008 **Digital Video Producer (CD)** **$95**

3D F/X

The power to create high quality professionally rendered 3D images and animations.

Build dynamic 3D scenes

Build dynamic 3D scenes quickly with a catalogue of models, surfaces, animation paths and more! Create and modify scenes easily using Windows standard 'drag-and-drop'. With full Microsoft Office and OLE 2.0 compatibility you can embed 3D F/X graphics into existing Windows applications. Export via AVI, BMP and TGA file formats. Spin and fly logos and models in and out of scenes using pre-set or custom animation paths.

ASY014 **3D F/X Win 95** **$95**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 lines in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

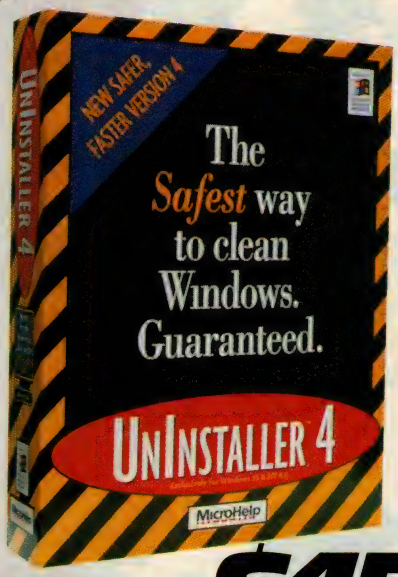
All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

New UnInstaller 4 for Windows™

Safer, faster, better!



UnInstaller 4 is the only completely safe way to delete applications and files from your Windows PC. It is the world's top-selling Windows clean-up utility and new Version 4 is faster, safer and crammed full with great new features that will make UnInstaller your essential personal PC housekeeper.

No matter how large your hard disk is, it's never large enough. Applications, Internet downloads, graphics and multi-media games fill up a hard disk in no time. When you need more space, clearing off the old, unneeded stuff can be risky. With many applications using hidden and shared files, it's difficult and dangerous to delete files by hand. UnInstaller is the safest way to remove files and applications - *even the things that were on your hard drive before your installed UnInstaller!*

Its exclusive SmartLinks technology scans your entire system and identifies all the relationships between programs and files so that UnInstaller can then decide which files are safe to remove and which ones you need. It will never remove an essential Windows system file! With Automatic Backup you have an extra safety net in case you delete something you wanted to keep. With over 1 million users, nothing is safer than UnInstaller.

LOOK! - Hot New Features...

- **Quick Cleanup** - Tell the Quick Cleanup wizard how much space you need. It searches your system and automatically deletes files that can be safely removed - like temp files and Internet cache files.
- **Application Cleanup** - Delete an unneeded application and its related files, Archive an application to another place on your computer with all its related files intact, or Transport an application to a different computer without the need for reinstallation.
- **File Cleanup** - Find all those unnecessary files that accumulate on your system every day. Regular cleanup makes the most of your disk space.
- **Built-in Viewer Pane** - See the contents of files before you delete them without launching any other applications.
- **Graphical Reports** - Display or printed detailed reports to see how your system has changed.
- **Automatic Installation Monitor** - Automatically starts the the Installation Monitor when an application is installed.

WIN.95 ONLY
STOCK CODE: UNI006

$45

Editors' Home Office Computing PICK · Technical Innovation PC Magazine 1995 · PCComputing MVP FINALIST · Designed for Microsoft Windows 95 · PC Magazine Editors' Choice

WHAT THE PRESS ARE SAYING

"This software will pay for itself over and over again." *PC Direct*

"The most well endowed of these utilities by some distance." *Windows User*

"Head and shoulders above most other similar products on the market." *PC Direct*

"Of the three programmes tested, only UnInstaller 3 did not offer to remove any critical Windows files." *PC Magazine*

Dr Solomon's Anti-Virus Toolkits

Complete anti-virus protection!

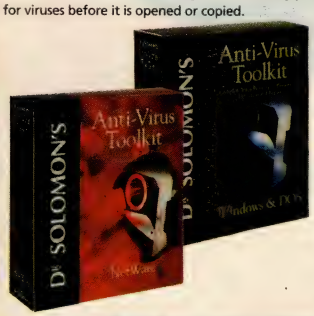
Dr. Solomon's Anti-Virus Toolkits are the most effective anti-virus products on the market today!

They are industry-renowned for combating all known viruses in DOS, OS/2, Windows, Netware and now Windows 95 systems. Dr. Solomon's range of Anti-Virus Toolkits provide the best answer to the serious problems posed by viruses. Each toolkit is made up of basic programs geared to locate, identify and destroy existing viruses and then protect your system.

WINGUARD - on-access scanner to check all files and disks before access is allowed.

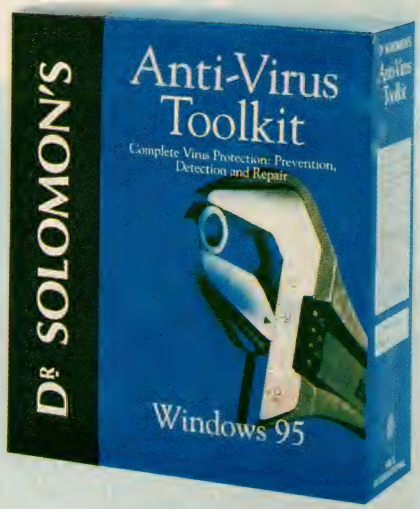
FINDVIRUS - on-demand scanner with the ability to carry out a more extensive check - even inside compressed files.

VIRUS GUARD - memory resident TSR only requires 9K of memory and can be loaded high. Checks every program for viruses before it is opened or copied.



Why choose Dr Solomon's Anti-Virus Toolkit?

- Widely recognised as the most effective anti-virus product
- Award winning technology
- Finds more viruses and finds them faster
- Simple to install and easy to use
- Comes complete with both on-line and paperback Virus Encyclopedia containing detailed information on hundreds of viruses and what they do.
- Restores boot and partition sectors and CMOS after known and unknown infections
- Scans archived or compressed files, those downloaded from bulletin boards and CD-ROM collections
- FREE technical support is provided for any virus emergency - 7 days a week, 24 hours a day
- Monthly or quarterly updates are available via post, CompuServe, CIX, Internet or BBS



SOL023 **Dr Solomons Antivirus Toolkit Win 95 Qrtly ..$199**

SOL002 **Dr Solomons Antivirus Win 3.1 Qrtly $189**

SOL026 **Dr Solomons Antivirus NT Qrtly $199**

SOL039 **Dr Solomons Antivirus OS/2 Qrtly.....$199**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA · MasterCard · American Express

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

HOT UTILITIES

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Essential Utilities 97
4 in 1 software bundle

SUPER VALUE

Remove-It
The #1 way to get the garbage off your hard drive

Remove it is the most comprehensive removal system available for Windows 95. It safely and accurately removes any 32-bit or 16-bit application, duplicate or orphaned files, old faxes, unneeded backups and a host of other electronic debris that builds up on your hard drive.

Fix It
The essential software diagnostic utility

Stop Windows 95 problems before they start instantly and automatically. The amazing new Fix-It is the easiest way to find and fix Windows 95 problems (guaranteed). With its amazing FIX IT button it could not be simpler.

Zip It
File compression has never been easier!

Quarterdeck's New Zip-It is the fastest and easiest way to compress view, ZIP and unZIP files in Windows 95 & 3.1. No more complicated long hand DOS prompt commands, a clean and easy to use interface making Zipping files a mouse click operation.

Partition-It
The essential hard drive management utility

Quarterdeck Partition-It is a revolutionary hard drive management utility specifically designed for today's hard drives. Partition-It automatically optimizes the storage capacity of your hard drive, and makes it easy to manage your data and applications for ease of access and better performance using hard drive partitions.

A MUST HAVE product for Internet users

QUARTERDECK

Designed for Microsoft Windows 95

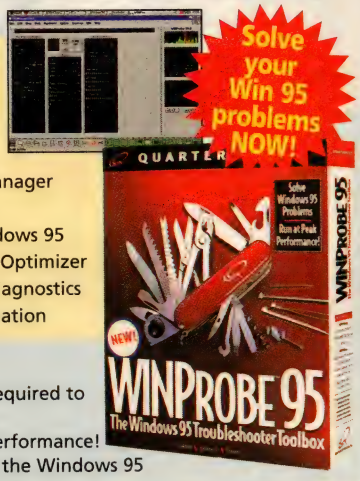
STOCK CODE: QUA101

$135

WINProbe 95
The essential hardware diagnostic utility!

This advanced most powerful Windows 95 Troubleshooter Toolbox enables you to solve Windows 95 problems NOW and get your system running at peak performance

Features
- Registry Guru™
- CrashShield™
- System Recovery
- Process Priority manager
- Knowledge Base
- Designed for Windows 95
- Resource/Memory Optimizer
- Non-destructive Diagnostics
- Full System Information



WINProbe 95:
Accesses - the tools required to fix Windows 95!
Optimizes - system performance!
Cleans-up - and edits the Windows 95 registry safely!
Prevents - crashes and fatal errors before they occur!
Performs - your own hardware diagnostics!

QUARTERDECK

Designed for Microsoft Windows 95

STOCK CODE: QUA043

$79.95

MagnaRAM 97 - Your memory worries are over!

Don't trust whirlwind products to hurtle through your memory, trust the experts with over 10 years of memory management experience.

Not only is Quarterdeck's new MagnaRAM 97 designed to speed up Windows 95 by up to 40%. It will also provide magnificent memory benefits allowing you to run not just more programs but much larger programs quickly and effectively. Leaving you to enjoy lightening fast performance of your whole system. Plus the intuitive new user interface clearly demonstrates the benefits of MagnaRAM to users, as well as making the product a pleasure to use.

Unbeatable NEW version!

Features
- Significantly increases a system's available memory
- Run more programs faster • Run large programs faster
- Turboload programs for instant access • Ideal for small business and home users alike • Major benefits for users no matter how much memory they have • Speeds up Windows 95 by up to 40% • Saves you time and money • Less hard disk swapping • Unlike other programs *increase* in Windows 95 performance *not decrease*

Boost the performance of your PC now!

QUARTERDECK

STOCKCODE QUA044

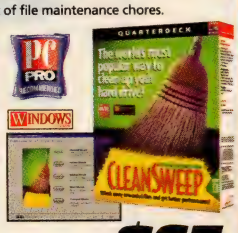
$65

CleanSweep™ 3.0 - the World's leading uninstaller

Whisk away unwanted files and get better performance!

The most popular way to clean up your hard drive. Cleansweep's award-winning cleaning power removes junk of every type:- duplicate files, redundant DLLs, orphan files and even infrequently used files. Just single-click the automated Wizards from the Windows Explorer to uninstall, backup or move any application. Special Registry features guide you through the toughest of file maintenance chores.

Features
- Finds and safely removes more files than any other program
- Safety Sweep automatically protects against accidental deletion of important files
- Smart Sweep automatically watches installations for the most effective uninstalls
- Application knowledge base of over 1,000 programs for the safest removals
- Automatically finds wasted space for instant savings
- Intelligently eliminates unused and duplicate files
- Easily moves programs to any location



CLE011 CleanSweep 3.0 ..... **$65**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions #2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Give your PC a complete physical

If your PC has ever crashed, you will know why you need First Aid 97 !

It can take hours to track down even a simple problem in your Windows system. When you call Technical Support you're put on hold for ages and when you finally get to speak to someone, it's difficult to explain the problem accurately, let alone implement a solution. Up to 90% of all Windows problems are caused by software conflicts. AutoFix technology automatically fixes software configuration and setup problems, intercepted and repaired faults *before* your work was lost and corrected software conflicts.

The makers of First Aid analysed thousands of Windows problems and then built the unique "AutoFix" technology to automatically sense and actually fix thousands of problems in your Windows system. Running in the background, First Aid pops up when it senses a problem and tells you what the problem is – in plain English. Then, a click on "AutoFix" corrects the problem. No other product available can do this!
First Aid 97 will revive your PC when it won't boot, automatically track all changes in your PC configuration files, plus connect you directly to the WWW pages of software vendors so you can download the latest bugs and fixes. Never call a tech-support line again - let First Aid 97 do all the work for you.

Give your PC a complete physical

First Aid gives your PC a "Complete Physical". Just click on Check-Up and First Aid checks every vital component and automatically fixes the problem it finds.

First Aid will call in the specialist

If you don't need a complete physical, First Aid's Specialists lets you zero in on a specific problem.

Ask the Adviser

Need to figure out why your printer streaks or your mouse sticks? Ask the First Aid Adviser. Just click on a problem and First Aid uses its advanced knowledge base and even the Internet to get your answers.

First Aid Prevents Windows problems

With First Aid's Windows Guardian you get continuous protection from crashes, software lock-ups, failing hard drives and more. It even lets you recover from PC disasters.

Provides Emergency Care and Recovery

First Aid lets you add new games or sound cards without risks, creates an Emergency 'tart-Up' disk and makes a backup of your work. It even lets you recover from PC disasters.

Features	First Aid®	First Aid® Deluxe
• Protects against crashes & freezes, and fixes them	✓	✓
• Checks over 10,000 software programs for configuration	✓	✓
• Fixes internet access, multimedia, and performance problems	✓	✓
• Fixes glitches caused by newly installed hardware and software	✓	✓
• Lets you recover from PC disasters	✓	✓
• One button PC Physical checks every vital component of your PC	✓	✓
• Finds tips and advice on the Internet for up-to-the-minute solutions	✓	✓
• Updates itself automatically via the Internet	✓	✓
• Fixes hard drive problems and makes a backup of your work	✓	✓
• EarthLink® Internet Access software with Netscape Navigator™	✓	✓
• Dr. Solomon's Find Virus software – detects & repairs over 10,000 viruses	✓	✓
• The Official Tech Support Yellow Pages™ book		✓
• Learn Windows 95 CD EasyTutor CRT Multimedia™		✓
• Get Connected – Internet CD EasyTuytor™ CRT Multimedia™		✓

Key Features

- Amazingly simple to use
- Fixes tens of thousands of problems automatically
- Prevents PC problems
- Searches the internet to find your answers
- Updates itself automatically

just point and click on where it "hurts" and First Aid will use it's knowledge base and thousands of web sites to interactively guide you the answer

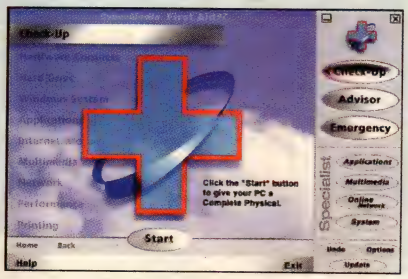
Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

CyberMedia®

First Aid 97 Deluxe

If you've ever had a PC crash or failure before, you won't want to repeat the experience. You can lose hours of work, cause permanent damage to your system, and worse. But it happens, and when it does, you have a choice. you can call your computer dealer, ring up a techie friend, or consult the manual .... Or you can give your PC First Aid . this unique Windows tool can help prevent crashes, keep your software and drivers up to date , increase available disk space and help re-boot a lifeless PC. It sits quietly on your system, and you'll hardly know to it's there. But when something starts to go wrong, First Aid fires into action to prevent and solve your problems automatically in 3 easy steps. All you do is click the 'Autofix' window and you can even save work in progress before the crash.



First Aid 97 STOCK CODE: RMG200

$64.95

First Aid 97 Deluxe STOCK CODE: RMG201

$84.95

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline **1 800 150 084**

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

HOT UTILITIES

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

McAfee VirusScan

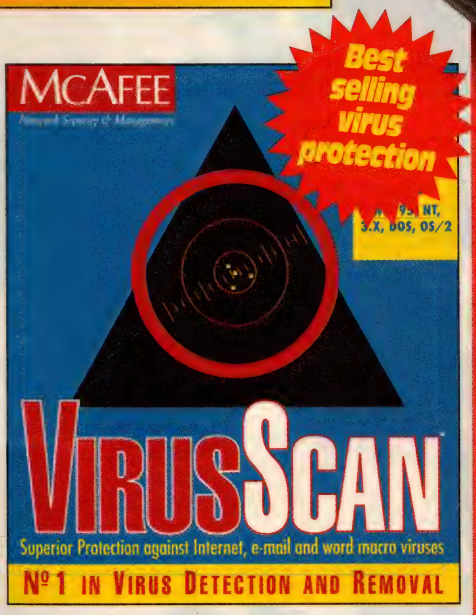
McAfee Network Security & Management

No.1 in virus detection & removal!

Superior protection against Internet, e-mail and word macro viruses.

Every month, over 200 new viruses damage data and productivity. These viruses are unintentionally received through disks, bulletin boards, on-line services, e-mail, the Internet and organisational networks. Why have millions chosen McAfee VirusScan for their security? Superior virus detection, removal and support services. VirusScan natively supports a variety of desktops with features to keep your system immune from these viruses. VirusScan scans all system areas to provide extensive security including local and network drives, CD-ROMs, floppies, boot sectors, file allocation and partition tables, folders, files and compression files.

It accurately cleans most virus infections from files, master boot sectors, partition tables and memory. On-access scanning technology captures viruses on disk insertion, file copy, create, rename, program execution, system startup and shut down, as well as in memory for constant virus isolation. VirusScan uses recursive scanning to identify and repair complicated, multiple reinfections.


MCAFEE
Best selling virus protection
NT, 3.X, DOS, OS/2
VIRUSSCAN
Superior Protection against Internet, e-mail and word macro viruses
Nº 1 IN VIRUS DETECTION AND REMOVAL

VIR003 Virus Scan for DOS, Win3.1 & Win 95 - 3.5 ..... **$79**

MCA006 Virus Scan for DOS Win 3.1 & Win 95 –CD **$79**

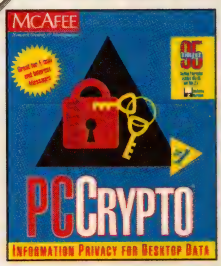
McAfee PCCrypto

NEW PRODUCT

McAfee Network Security & Management

Keep hackers out of secure personal information in files, clipboards and e-mail.

Theft of laptop PCs has increased by 39% - 208,000 were reported stolen in 1995 (mostly at airport X-ray security points). The data within can be far more valuable than the units themselves. PCCrypto™ allows users to easily secure documents, spreadsheets, graphics, and other data on desktops and laptops from hackers and information brokers. PCCrypto keeps unwanted viewers out, even if your system is unfortunately lost at an airport.



Features

- Easy to use Windows encryption utility
- Secure files and clipboard information
- Password manager and audit file
- PCCrypto is your key to privacy and security, wherever you and your data travel!

MCA026 McAfee PCCrypto..... **$69**

MCA029 McAfee Crypto **$49**

QuickBackUp™

McAfee Network Security & Management

The easiest and fastest backup and restore software for Windows 95 and NT users.

If you want your most critical files stored in a safe location where you could easily retrieve them either from a local or network disk or from the Internet at any time, then you need QuickBackUp™.

Point and Click Backup:
Easy, flexible backup, restore and file management protection. Automatically and transparently backup your most important files to a SCSI tape drive, and Iomega ZIP/JAZ drive, the Internet or rewritable CD. Backup unchanged files on-access or close of a document.

Features

- IFS Tape (Installable File System)
- Automated Configuration wizard
- Drag-and-drop backup/Restore
- Internet account option
- Encryption – For your viewing only!
- Explorer Integration

MCA030 McAfee Quick BackUp V2.0 for Win 95..... **$79**

Remote Desktop 32

Remote control of Windows 95 and NT workstations

NEW PRODUCT

Remote Desktop/32 offers a high-performance 32-bit solution for viewing and controlling remote Windows NT and Windows 95 systems running on Intel, Mips, and DEC Alpha systems.

The product is a fully multi-threaded 32-bit application which allows viewing, controlling, and communicating with remote systems over networks and telephone lines. Remote Desktop 32 utilises the operating system services of Windows NT and Windows 95 such as security, RAS (Remote Access Server), and network protocols.

McAfee Network Security & Management

Remote Desktop/32 ships as a 2-node pack which gives you two way remote control licensing.

MCA028 McAfee RemoteDesktop32 ..... **$129**

MCA025 McAfee Commuter v1.0 for Windows 95 CD **$95**

WebScan

McAfee Network Security & Management

Complete virus protection for Web browsers and e-mail.

Since the Internet and Intranets offer immediate exposure to viruses, how can one proactively prevent such viruses from entering your system? McAfee's WebScan™ a VirusScan companion Solution, integrates the world's leading virus protection with popular Web Browsers and e-mail. WebScan automatically repels electronically distributed viruses.

Integrated Protection

- Transparently integrates with popular Web browsers as well as e-mail systems.
- Scans files that are downloaded or attached to e-mail
- User alerts and logging on virus detection

Instant Internet Access

- With Instant Access Account from InterServ, you can start surfing the Internet within 5 mins.

Includes Pegasus E-mail

- Instantly send and receive e-mail around the world.

Includes Microsoft Internet Explorer

MCA020 McAfee WebScan V2 CD **$45**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P.2
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

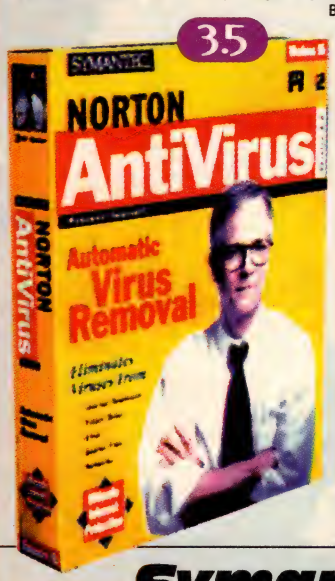
EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Norton AntiVirus 95

Automatic Virus Removal, With The Ultimate In Internet Protection.

Safeguards you on the Internet. Automatically alerts you to viruses in files you download , as you download them, and removes the viruses before they can do any damage.
LiveUpdate ™ ensures continuously up-to-date protection. Download the most current virus definition and software updates every month over the Internet or with a modem - for free. Repairs infected incoming files. Tell Repair Wizard to remove the virus automatically, and the file will be as good as new.
Protects against the most devious viruses. A revolutionary tool in next-generation polymorphic detection, Striker ™ technology tricks encrypted, mutating viruses into revealing themselves in a "virtual clean room" before they can get to your files.

Backed by state-of-the-art research. Symantec AntiVirus Research Centre (SARC) engineers work around the clock to identify and neutralise new viruses and potential virus threats before they can endanger your files. Visit the SARC Web page at www.symantec.com/avcenter. Norton AntiVirus 95 is easy to use, installs in minutes and works in the background to provide continuous, automatic protection.
Norton AntiVirus 95 is the industry leader in macro virus detection and repair.



Protect Yourself with Norton AntiVirus 95

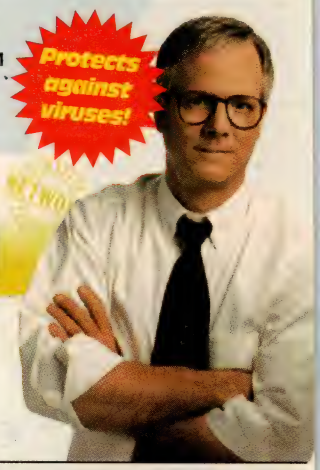
- Removes viruses automatically
- Eliminates the virus threat from Internet downloads, floppy disks, email, shared files, networks, hard disks
- Detects and removes Word Macro viruses
- Includes free updates online

NOR041 Norton AntiVirus 95 **$85**

NOR021
AntiVirus 3.0 DOS/WIN 3.1 **$85**

NOR043
Norton AntiVirus for NetWare **$1199**

SYM058
Norton AntiVirus NT 3.51 & NT 4.0 **$85**



Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Symantec HealthyPC

One button check up for your PC!

Healthy PC gives your computer a complete virus checkup and improves hard-disk performance in minutes.
Designed for users with little or no prior PC experience, Healthy PC scans your system viruses with the click of a button. There's nothing to learn, no manuals to read. Just install the software once, and its always there when you need it.

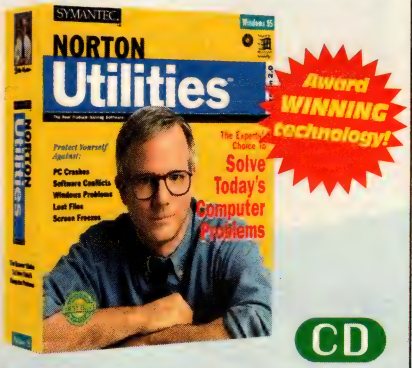
Based on award-winning Norton technology, Healthy PC will:

- Scan for viruses throughout your entire system
- Detect all common virus types
- Remove common file viruses (including the Microsoft Word Concept Macro virus), so you can use your files again
- Make your computer's hard disk run faster
- Search and organise hard-disk, faster access & easier data recovery in the event of a crash
- Dial the Symantec Web site & automatically download the latest updates and virus definitions
- Give you easy access to assistance and frequently asked questions online.

3.5
SYM055 Healthy PC **$39**

Norton Utilities

Essential protection for your Windows 95 system.



Norton Utilities provides the most advanced, comprehensive tools available for continuous system protection and data recovery under Windows 95 - true 32-bit utilities with proven, award-winning technology that recovers data when others can't.

Norton System Doctor runs in the background, constantly monitoring vital system resources and data integrity to ensure stability and reliability, and automatically taking corrective action when needed. In the event of a crash, a rescue disk gets you up and running quickly, automatically repairing damaged resources and restoring your data. Norton Utilities is especially valuable for those making the transition to Windows 95, with new features specifically designed to prepare your PC for your new operating system. Our exclusive Pre-Installation Tune-up eases your migration by tuning your entire system and freeing necessary disk space. Once Windows 95 is installed, you'll never have to worry about system maintenance again - because Norton Utilities protects you against every possible problem.

NOR032 Norton Utilities **$109**

PC Handyman for Win95

The friend who solves your computer problems

You need a friend you can rely on when there's a problem. Someone who constantly watches over your computer, fixes problems that come up, and answers your questions on the spot. Meet PC Handyman, the computer expert who solves your problems automatically . Day or night, PC Handyman will automatically fix both hardware and software problems. He will interrupt a crash or screen freeze so you can save your work. He will provide complete recovery from a crash with Rescue Disk. And, he will even alert you to the presence of viruses. A handy troubleshooting screen lets you tell PC Handyman - in your own words - what's happening with your computer. PC Handyman will ask you questions to help pin-point the problem, then provide you with the solution in sample terms. Having trouble with your computer's fax? Can't get Windows 95 to work properly? Modem not responding? No problem. You've got PC Handyman to guide you through thousands of problems. This includes 140 "how to" videos that explain the procedures to you and also teach you more about your computer. Sooner or later everyone runs into some kind of trouble. Don't wait until it's too late. Put PC Handyman to work today. And avoid a lot of unnecessary hassles and frustrations tomorrow.

SYM060 PC Handyman **$69**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

HOT UTILITIES

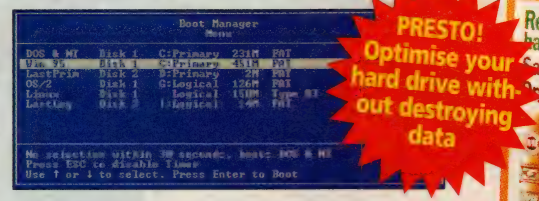
IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

PartitionMagic 3.0

Reclaim up to 40% of your hard disk & organise your hard drive!

Reclaim Wasted Disk Space

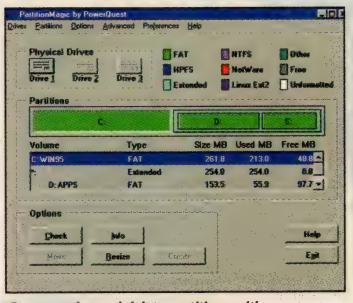
Everyone wants to get the most they can out of their hard disk. But, up to 40 percent of your hard disk may be totally wasted due to inefficient storage methods. PartitionMagic 3.0 increases your usable disk space by shrinking large FAT partitions and restructuring cluster sizes to reclaim up to hundreds of megabytes of lost disk space.


Boot Manager
Menu
DOS & MT Disk 1 C:Primary 231M FAT
Win 95 Disk 1 C:Primary 451M FAT
LastDrive Disk 2 D:Primary 2M FAT
OS/2 Disk 1 G:Logical 126M FAT
Linux Disk 1 Logical 110M Type 83
LastOne Disk 2 Logical 19M FAT
Use ↑ or ↓ to select. Press Enter to Boot

PRESTO! Optimise your hard drive without destroying data

Safely Run Multiple OS's

PartitionMagic 3.0 makes it easy to run multiple operating systems on the same machine without compatibility problems. Explore the new world of Windows 95 or NT while still relying on the security of your current operating system. And PartitionMagic 3.0 includes Boot Manager from IBM, making it easy to select an operating system every time you boot your computer.



Create, resize and delete partitions with the drag of a mouse.

Organise and Protect Data

Create a physically separate partition for your valuable data files to protect them from potentially unstable applications. This simplifies backups, especially to devices like ZIP™ drives. And with the transport feature of Uninstaller™, PartitionMagic 3.0 lets you easily move applications from one partition to another with their files and operating system settings in place.

NEW PRODUCT

POW022 Partition Magic 3.0 **$109**

AUS228 PartitionMagic 3.0 Upgrade **$49**

Now with Boot manager included!

WHAT THE PRESS ARE SAYING

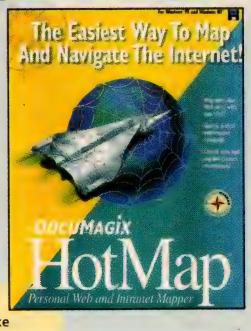
"Unique, dazzling and indispensable, PartitionMagic is a must have product in an era of larger and larger hard disks"
PC Magazine

PartitionMagic
HARD-DISK PARTITIONING ON THE FLY

DocuMagix HotMap

NEW PRODUCT

The easiest way to map and navigate the Internet



DocuMagix HotMap™ is the easiest way to find, access and leap to the Web information that you need. Fuelled by NetCarta WebMap™ technology, DocuMagix pinpoints the exact page or file you're looking for, and allows you to bypass irrelevant content with ease. Whether you work with Internet or Intranet information sources, DocuMagix HotMap is more than a convenience. It's a fast-forward in Web Navigation.

Customise Your View Easily

- Objects can be hidden or viewed whenever you like
- Design your own maps
- View mapped sites in HTML format right in your browser
- Search on maps by keyword, object and date

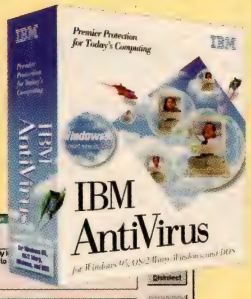
Get to Information Faster

DocuMagix HotMap is an easy to use application that works with your Web browser to make accessing information faster and easier by mapping your site with as many levels as you want, in hierarchical format. It displays the entire site, before you begin browsing. Then, with a simple click, jump to the content you want... no more clicking through a maze of links.

AUS107 DocuMagix Hot Map **$109**

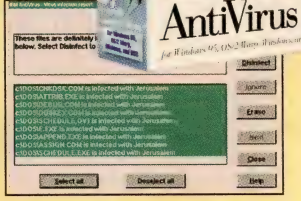
IBM AntiVirus

You're sitting at your home computer, opening the file that your business associate just sent you over the Internet. Suddenly, your computer starts behaving strangely. You wonder: Is your system infected by a virus? Did you just lose all your work?



Then, you relax. You remember that you have IBM AntiVirus installed.

We all know that computer viruses are a leading cause of data loss and downtime in today's PCs. Thousands are known to exist, and three new ones are discovered each day. They hide in program and data files, e-mail messages, macros... even diskette sectors that users can't see.



IBM AntiVirus offers a comprehensive and effective barrier between your PC and any virus that attempts to infect it, no matter what the source. It is today's premier anti-virus solution: designed and supported by IBM scientists whose expertise in anti-virus research is acknowledged worldwide.

Reliable, comprehensive, and technologically advanced, IBM AntiVirus is also exceptionally easy to use. Its clear graphical interface and simple, install-and-forget operation make state-of-the-art virus protection a true "no-brainer."

IBM AntiVirus is literally packed with features that make it easy to keep your PC virus-free. Its automatic scanning capabilities examine files, macros, e-mail and attachments, memory-resident programs, and files you download from the Internet and other online services.

AUS109 IBM Anti Virus **$79**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

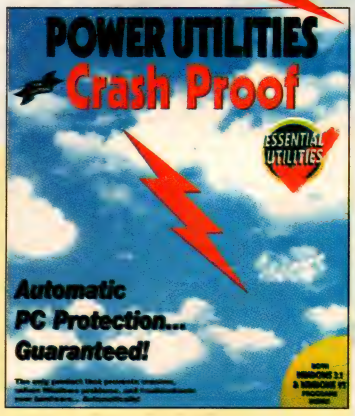
INTERNATIONAL SOFTWARE WAREHOUSE

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Power Utilities Crash Proof

Prevents crashes, solves Windows problems, and troubleshoots your hardware... Automatically!

Power Utilities + Crash Proof is an entirely new kind of product that automatically protects Windows® and your PC from many problems. It also provides you with of tools to customise and improve your system. So whether you're in Windows 3.1 or Windows 95, Power Utilities is the only toolkit you'll need!



Here's just some of the dozens of fantastic features!

- **Tests your hardware continuously**
  Automatically tests with over 400 diagnostic tests. Unique Solvers™ help you fix any problems fast.
- **Checks applications continuously**
  Tests all running applications for conflicts and potential problems every second.
- **Tests Windows 95 continuously**
  Over 150 continuous Windows tests spot problems before they can crash your system. Every second, automatically.
- **Tune Windows**
  Cleans all of your configuration files. It repairs or removes performance -robbing entries and invalid lines.
- **Fix your folders**
  Spots potential problems in your folders, shortcuts, and group files and fixes them before they cause a problem!
- **Cleans disk space**
  Finds and removes files and space-wasting remnants even uninstall programs miss.
- **Customise program appearance**
  A lot of power to change the look and feel of all programs on your PC. Alter borders, change program names, lock programs for personal use only, hide them from prying eyes.

STOCK CODE: AUS131

$85

ThunderBYTE Anti Virus

Ultimate fire power against computer viruses!

How good is your virus protection? Thunder BYTE provides two very special features. Firstly it uses heuristics to detect viruses that it does not know about. Secondly, you need to keep up to date and this will often cost you hundreds of dollars per year - not with Thunder BYTE, updates are provided FREE via the Internet. So don't be fooled by cheaper alternatives that charge you less up-front but get you later!

FREE updates provided via the Internet!

- **Not "just another scanner"**
  .. An essential antivirus utility toolkit providing reliable protection, detection and disinfection!
- **Multiple detection techniques**
  Including unique heuristic and decryption engines to detect even new and unknown viruses!
- **Handles boot sector, MBR, file, encrypted, polymorphic, stealth, macro**
  and all other types of viruses with ease!
- **Easily installed and fully configurable** - Set protection levels to suite your own needs!
- **Regular updates**
  FREE from the internet and support bulletin boards!

STOCK CODE: AUS130

$129

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

ZipFolders

Discover the simplicity of Zip files ...No zipping and unzipping needed!

ZipFolders provides a revolutionary, easier way to handle ZIP files under Windows and DOS. This patent pending program is the only ZIP compression product that allows you to handle ZIP files without zipping and unzipping. It will rapidly increase productivity and make you wonder why zipping wasn't always this straight-forward.

Why wasn't zipping always this straight-forward?

- Run any program, game or installation program directly from within a ZIP file. No need to decompress any file to a temporary location first - Keep the ZIP files and save precious disk space.
- No need for other zipping programs, compression and decompression are done automatically. Files inside a ZIP file can be accessed and modified at will from any location.
- No need to ZIP because files can be compressed to a ZIP file by simply using the normal Copy command in your favourite DOS or Windows file management application (including the DOS prompt!).

ZIP files appear in your system as folders with a ".zif" extension. The contents of the folder are actually the contents of the ZIP file. Use your normal file management tools (Explorer, etc) to work with the contents of ZIP archives.

STOCK CODE: AUS132

$55

PowerCleaner

The safest way to get more disk space

PowerCleaner is the most advanced file management system designed to reduce the clutter that can accumulate on your hard drive. PowerCleaner thoroughly and safely removes files you no longer need, finds duplicate files, and maintains your system files.

- **Ultra-Safe File Removal**
  PowerCleaner uses advanced SafeLinks™ technology to identify files shared by other programs, by digging deeper than any other uninstaller, PowerCleaner is the best way to uninstall one program without destroying the others.
- **Why Choose PowerCleaner?**
  PowerCleaner monitors software as it is installed and each file as it is copied to your hard drive, ensuring clean, safe uninstallation every time. PowerCleaner will also clean up the clutter existing on your hard drive, even if if wasn't monitored by PowerCleaner.
- **Why Choose PowerCleaner?**
  PowerCleaner monitors software as it is installed and each file as it is copied to your hard drive, ensuring clean, safe uninstallation every time. PowerCleaner will also clean up the clutter existing on your hard drive, even if if wasn't monitored by PowerCleaner.
- **Easy To Use**
  PowerCleaner makes it easy to keep your hard drive clean by walking you through each step and asking basic questions along the way. Just click the Uninstall button, choose the program you want to remove, and Powercleaner does the rest.

STOCK CODE: AUS133

$55

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

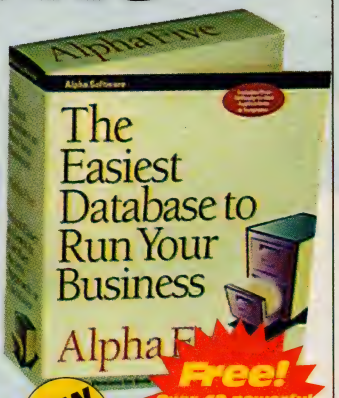
VISA MasterCard

HOT UTILITIES

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Alpha Five

The Easiest Database to Run your Business!



NEW PRODUCT

Free! Over 40 powerful ready-to-use applications & templates

Alpha Five for Windows 95 is a full-bit program to take charge of all your data management tasks with a powerful, easy-to-use database that gives you more time to run your business rather than wrestling with complicated software.

The built in "Genies" provide easy-to-follow instructions on everything you want to do with your database without wondering what to do next and, you can also develop automated buttons that enable you to save time in various tasks. Over 40 complete applications and templates are included in Alpha Five with built in data entry forms, reports, letters and labels all with a full range of drawing layout tools to ensure your entry forms look great.

Alpha Five is easy and affordable and has all the power you need to manage your data tasks!

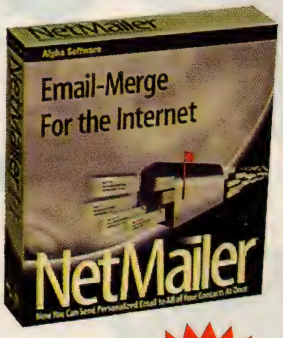
Applications Include

- Contact Manager: Keep track of all your business and personal contacts meetings, and events.
- Invoicing: Create and print professional invoices, including customer and order information. Automatically deplete inventory with each order.
- Mailing List Manager: Manage mailings of any size. Perform mail merges and and print mail labels.
- Inventory: Track Inventory items and stocking levels. Know what to order and when.
- Employee Files: Track employee records, including vacations, performance reviews, and salary histories.
- "Party Planner: Plan parties big and small. Keep guest lists and track responses. Plan seating arrangements and track budgets and gifts.
- ***Plus*** Alpha Five includes over thirty table and set templates from Accounts to Video Libraries to Students and Classes and Membership Management to name but a few!
- ***Both Windows 95 and Windows 3.1 versions are included on floppy disk and CD.***

AUP005 Alpha Five **$85**

NetMailer

E-mail all your contacts instantly!



NetMailer is the only package that lets you send personal and confidential e-mail messages to all your contacts at once. It gives you the flexibility and power of a contact manager and electronic mail-merge program in one. You can "Netmail" ten contacts, or thousands of contacts at once, all the time keeping them personal, by typing a message, choosing a list and pressing the "Netmail" button. It's that easy.
With Netmailer you can maintain as many databases as you require with multiple list selections. You can even perform queries to choose which companies receive the message and Netmailer also keeps log of every one you send!

All your Netmail needs in one!

Netmailer could be used by many different companies or people. A sales person could send some information of a new product to potential buyers, an account manager could send monthly statements to customers that would otherwise take hours to type or even a shipping manager could update his clients on the status of their orders.
Just think of the time you'd save by doing all those monthly statements at the same time with the personal information changed for you by the computer database.

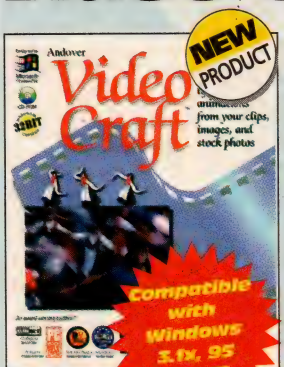
Features

NEW PRODUCT

- Import data from databases, contact managers, e-mail or ASCII files
- Keep an unlimited number of databases with customisable data fields
- Maintain up to twenty mailing lists for each database
- Send attachments such as brochures, demos and spreadsheets
- Use any text file for the body copy of your message
- Spellcheck your messages
- Add a custom signature to your messages
- Works with many service providers

AUS120 Netmailer **$69**

Video Craft 3.6



NEW PRODUCT

Bring your creations to life with video power Tools

Morph, warp, distort and bring illustrations to reality with this fabulous fun VideoCraft software which allows you to create life-like animations from your clips, images and stock photos all from your home or office PC.
For easy access, any affect in VideoCraft can be found in one of seven powerful effects editors and then for maximum flexibility whole movies can be chained together with the Storyboard section. Along with awesome bends , twirls and other mind blowing effects you can use the Distortion editor to create intense video productions or you can morph objects together to create something entirely different at the click of your mouse.
Millions of effects can be created with texture, fades, colour correction, video editing, the list is endless and the results amazing.
Whether for fun or work, VideoCraft 3.6 is a must to have whatever your age!

Features

- Create entire video productions
- Combine images, videos, photorealistic 3D objects and animations
- Process with powerful editing tools
- Professional quality overlaying, Blue-Screening, Luminance Keying and Alpha Channels
- Enhance with millions of effects
- Bonus software for 3D animation and sound
- 3D modelling, rendering and animation applications
- Construct dazzling 3D VRML models and worlds for our web site
- Add audio tracks and voice-overs quickly and easily
- Seven powerful effects editors
- Fabulous distortions
- Advanced morphing options
- Professional quality output - VideoCraft is compatible with all PC video production systems. Although no special hardware is needed to make digital video with VideoCraft, a scanner and/or a video capture card is required to import original source material.

AUS229 VideoCraft **$159**

Web G

Dazzling effects at your fingertips!

Professional Applications to Create Web Graphics, Animations and 3D Summary

Create all the dazzling graphics for your web pages, including animated / transparent GIFs & interactive 3D worlds. Make dynamic web sites easily – just point and click. Includes Web clip art, GIF animations and 3D models, over 11,000 pieces of Clip art for buttons, banners, icons... Web G is the ideal toolbox for any one who needs to work with Web page Graphics. **Web Image** Make transparent GIF and PNG images. Define clickable image maps that link to any web page you designate. Optimise web images for best colour display and fastest loading time. **VideoCraft** GIF Animator creates animated buttons, banners and icons with style and ease. Convert any AVI file into a GIF89a internet-ready animation. Customise palettes for GIF Animations in one step. **ARENA Design PRO** (Standard Edition is available separately) Download any VRML file from the internet into a working 3D scene, then edit and export as a VRML world directly onto your web page. Use spline-based modelling and photo-realistic rendering to create VRML files. Generate 3D keyframe animations. **Award Winning HTML Editor – Web-It!** It's a snap to create professional-looking web sites, complete with tables and lists. Text and images become hyperlinks with just a few clicks. You don't need to learn HTML – Web-It! adds the tags automatically as you make selections from pull-down menus or the toolbar. Use the split screen to see your web pages evolve as you point and click to generate code. **Multiuser VRML Server** – CyberHub Use the CyberHub VRML server to bring the reality of 3D multi-user interaction to any site. Your visitors, represented by 3D Avatars, can interact through a text-based chat service that allows both public and private sessions. CyberHub can automatically convert any VRML file to a multi-user 3D world.
Plus Web Page Clip Art – Over 10,000 buttons, dividers, banners and backgrounds.
GIF Animations – Over 1,000 GIFs including icons, alphabets, arrows, bullets and buttons. also includes 3D Models/Avatars.
Summary: Web G bundles all you need to manage and create stunning graphics, animations and 3D for your Web site and at a price that is VERY attractive.

AUS122 Web G **$79**

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions #2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight Delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

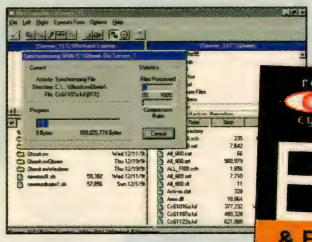
All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

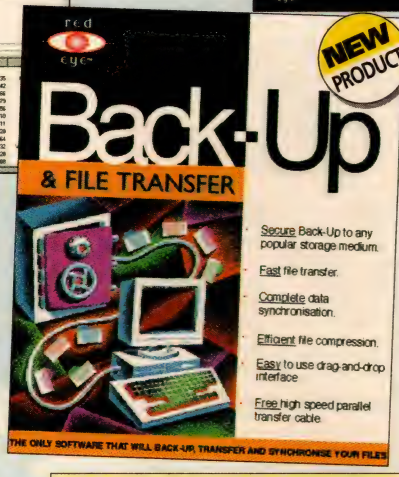
INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Red Eye Back-Up

All you ever need to back up, move and synchronise your files!




red eye
Back-Up
& FILE TRANSFER
NEW PRODUCT
Secure Back-Up to any popular storage medium.
Fast file transfer.
Complete data synchronisation.
Efficient file compression.
Easy to use drag-and-drop interface.
Free high speed parallel transfer cable.
THE ONLY SOFTWARE THAT WILL BACK-UP, TRANSFER AND SYNCHRONISE YOUR FILES!

Computers are supposed to simplify your life. Ease the stress. Increase productivity. Until something goes wrong that is! What happens if your notebook's stolen? What happens if there's an office fire or if crucial files get deleted? Hardware can be insured and replaced, but it's your information and software which makes a PC indispensable.
If you value the files on your PC, then Back-Up from Red Eye Software is the best way of insuring yourself against hardware failure, theft, fire & accidental loss.

Secure Back-Up to any popular storage medium

Back-Up provides you with a **secure archive of your files and applications,** insuring you against every day hazards such as accidental deletion, fire damage, theft and hardware failure. In addition to this peace of mind, Back-Up compresses your files, freeing up vital disk space. All you have to do is select individual files, folders or drives to be backed up, then Back-Up's Filestore™ features will make a copy, compress it and store all of those old letters, accounts and expensive applications onto just about any popular storage medium You can Back Up onto your hard drive or across a network to your server. For complete security, Back-Up will store archives on almost any storage medium so that you can keep archives in a separate, safe place. Back-Up supports Syquest, Iomega Zip, Travan, Tape Streamers, recordable CD or floppies to name just a few. You can even back up your files onto your web site or send files across the internet from anywhere in the world for backing up.

Simple to retrieve

Hopefully nothing will ever happen, but if you do ever need to access your archives, Back-Up stores them in the popular PKZIP format making it a simple task for you or an associate to access. Using this format for compression also means you can send archived files to people that don't even use Red Eye Back-Up.

Fast file transfer

Do you use more than one PC? It could be that you use a notebook when you're out on business or that you sometimes work on your PC at home. It might be that your business has more than one PC.
Whatever the situation, Back-Up will transfer your files between computers. Back-Up supports transfer via, serial, parallel, Internet, Intranet and Infrared transmission. It even comes with a **FREE high speed parallel transfer cable worth £10,** so you can start using this unique package straight away.

Complete Synchronisation

When you use Back-Up, it searches for and recognises your individual computers. Back-Up does quick comparisons between current data and data already backed up and uses some clever algorithms to save time by not performing unnecessary data transfers. In the same way, the file transfer feature offers complete synchronisation between machines so that all your computers are always up to date.

Simple to use

Back-Up features an **intuitive drag and drop interface** that is so easy to use that data loss should become a thing of the past. The documentation is comprehensive and if you do need assistance, the intuitive **BackUp Wizards** will lead you through the entire process. In fact Back-UP offers a whole range of features designed to give you the very best data security, file transfer and synchronisation, making it the only tool you'll ever need for complete peace of mind. And with all that important stuff on you computer, can you really afford not to have a Back-Up?

STOCK CODE: RED010

$79

About Red Eye Back-Up

- Secure Back Up to any popular storage medium
- Fast file transfer
- Complete data synchronisation
- Easy to use drag and drop interface
- Free high speed parallel transfer cable
- All you'll ever need to back up, move and synchronise your files
- Works with Windows 3.x, Windows 95 and Windows NT 4

DataSAFE

NEW PRODUCT

Play It Safe. Protect your information from unauthorised users with Authentex-Datasafe

The revolutionary new drag and drop encryption software that lets you store, transmit and receive files and e-mail with complete security.

Electronic communications are becoming more and more integrated into every aspect of our lives. As PC usage, e-mail and the internet become commonplace, we are sending ever increasing amounts of complex, confidential information over potentially unsecure means.

With new Authentex-Datasafe, security of your files is no longer an issue to worry about:

Secures your data immediately

- Secure your data using a password, a combination and BLOWFISH, a 16 pass block encryption algorithm that has never been broken
- Encrypts every kind of file, whether spreadsheet, graphic, word processing or other.
- Encrypt files on every kind of medium, whether floppy disk, removable hard drive, zip drive, tape streamer or other.• Eliminate the need to maintain security databases or x500 directories for keys because Authentex-Datasafe is self contained.

Send secure e-mail across insecure e-mail systems

- Send secure files over your Intranet, the Internet and the World Wide WEB using any mail system that supports file attachments.
- Secure your office e-mail immediately without modifying your mail system or your LAN.

Transmit secure data to anyone

- Transmit self decrypting files to people who do not use Datasafe - all they need is your combination to access the contents.
- Transmit data to clients without the hassle of establishing public key exchange, common data formats and common encryption methods.

Security for your whole office

- Place individual safety deposit boxes within the safe, each with its own combination.

Simple to use & trust

- Enjoy the industry's most intuitive interface - a safe with a door, a lock & a combination
- Use standard Windows tools - such as File Manager & Explorer- to drag & drop sensitive files into the safe.
- Add data to the safe in many other ways, including cutting and pasting and Object Linking and Embedding.
- Work on files and launch applications from within the safe with just one mouse click.
- Enjoy plenty of on-line help & a full Windows help manual.

Simple to install

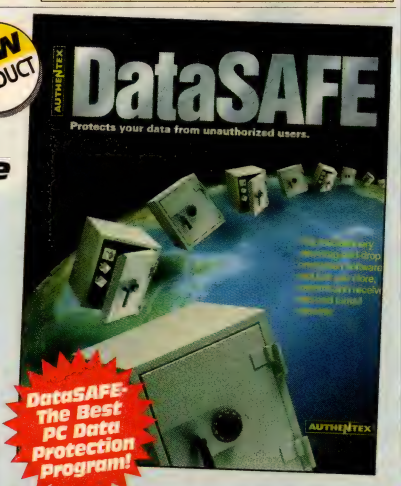
- Just select a destination directory and Datasafe installs automatically.

Protection you can't be without

- Ideally suited for Intranet, Internet and WWW users, Networks, Corporate users, Small Business, Educational Sites, Personal Computers, BBS Downloads, in fact, anyone who wants to send information to another user.

1: Drag files & applications into an open safe. You can add individual safety deposit boxes for extra security. DataSAFE encrypts any file or application.

2: Close the safe. On your screen, DataSAFE may look, act and sound exactly like a real combination safe, but internally, it uses a state-of-the-art encryption engine that secures your data and settles your doubts.



DataSAFE- The Best PC Data Protection Program!

3: Enter a combination. DataSAFE uses Blowfish, a state-of-the-art encryption algorithm which has never been broken. Only someone who knows the combination can open the safe.

In partnership with AUTHENTEX

STOCK CODE: AUT050

$89

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

The top antivirus package!

Every major magazine that has reviewed PC-cillin has rated it the UK's top virus software for Windows 95, 3.1 and the Internet. It is the most effective virus protection you can get - don't download without it!

Does your old anti-virus package still protect you? Probably not. New threats from networks, Internet e-mail and shared folders are overlooked by existing anti-virus utilities, which assume that virus infections only originate from infected floppy disks. Windows 95's sophisticated communication and multi-tasking capabilities have created a virtual breeding ground for viruses -meaning that you need powerful, continuous protection. PC-cillin 95 is the only software that can keep you fully covered. It scans all the Internet file transfers, checks incoming e-mail attached files, and scans more types of compressed files than any other package. PC-cillin 95 is the only anti-virus package that has what it takes to guard your Windows system.

Designed for Microsoft Windows 95

MICROSOFT® WINDOWS™ COMPATIBLE

Dynamic Monitoring - Unlike other virus utilities, PC-cillin 95 automatically scans files as they are downloaded from the Internet or on-line services and automatically scans floppy disks the moment they are inserted into your machine.

Permanent Background Operation - PC-cillin 95 constantly works in the background and automatically pops up as soon as a virus is detected. But although it is always running, it uses a fraction of the memory and system resources as other anti-virus packages.

One button Virus Updates - Obtaining frequent virus pattern updates is critical to maintaining a secure computer environment. Unlike other antivirus packages, with PC-cillin 95 you get free virus pattern updates for the first year, which can be downloaded with a single click from PC-cillin's web site. Updates can be sent by disk for a nominal handling charge.

Advanced Detection Technology - PC-cillin's VICE technology immediately analyses and removes all unknown viruses, polymorphic viruses and mutation-engine viruses. It then updates it's own virus pattern database with the information it has learnt so that the virus can be recognised again.

Drag and Drop Scanning - Scan any file by simply dragging it onto the PC-cillin icon in the Windows 95 taskbar.

Top Macro Virus Protection - PC-cillin 95 now has the highest macro virus protection rate in the industry! Recent tests conducted by NSTL (National Software Testing Labs) show that PC-cillin 95 finds more macro viruses than any other anti-virus program.

Top-Level NCSA Certification - PC-cillin 95 has been granted maximum Level 2.0 Certification by the NCSA (National Computer Security Association) for it's ability to find 100% of the viruses listed as being "in the wild", as well as a minimum of 90% of over 6,000 known zoo viruses.

FREE! unlimited virus updates online for 1 year!

WHAT THE PRESS SAY

"If you are looking for a way to react quickly and automatically to a variety of virus threats, look no further than PC-cillin 95."
PC Magazine

Feature	PC-cillin 95	Norton Antivirus for Windows 95	McAfee VirusScan 95	Dr. Solomon's Anti-Virus Toolkit 95
Scans your hard disk, all Internet file transfers and e-mail files	✓	✓	✗ (requires WebScan)	✓
1 year's easy, unlimited one-button virus updates on-line	✓	✓	✗	✗
PC Computing rating Sept 1996	★★★★★	★★★	★★★★	★★
.Net Magazine rating Sept 1996	90%	89%	67%	83%
PC Review rating August 1996	9	8	Not reviewed	7

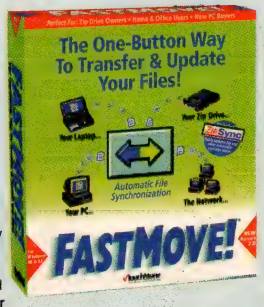
Comparison based on products available September 1996. Prices as at 30th September 1996.
*Virus pattern updates available free on-line.

STOCK CODE: RMG009

$85

FastMove, the one-button way to transfer and update your files!

The new FastMove 2.0 with ZIPSync™ is the only programme that lets you transfer and update files, folders, directories and drives with a simple click of a button!



Whether you're using Windows 95, Windows 3.1 or DOS, the fast, powerful new FastMove 2.0 with ZIPSync™ lets you transfer, update and synchronise files between two computers quickly and easily. Keep the folders and directories on your PC, laptop, network and Zip™ drive up-to-date with the click of a button - it's that easy. The new ZIPSync™ utility is the first of it's kind, found only in FastMove, that lets you automatically update and backup files on Zip™ and other removable cartridge drives. Plus, with FastMove's new enhanced interface, all your file transfer needs are just a click away. Make the move to FastMove today!

- Enhanced easy-to-use interface allows quick, 1-button file transfers
- Over 20% faster than LapLink for Windows.
- Full network and local drive synchronisation.
- Automatic virus detection during transfers with free online virus updates.
- ZIPSync utility synchronises and updates files on Zip or other removable cartridge drives.

FAS013 **FastMove! 2.0** **$99**

Keep your hardware in check with CheckIt Diagnostic Kit

CheckIt Diagnostic Kit from Touchstone is the all-in-one hardware problem solver for Windows 3.1, 95 & DOS!

Use CheckIt Diagnostic Kit and get the most out of your Windows system with this "all-in-one" PC Problem solver. Containing full versions of the award-winning WinCheckIt Pro and CheckIt 4, new CheckIt Diagnostic Kit offers a complete package of utility and hardware troubleshooting tools for Windows 95, 3.1 and DOS. It can provide you with detailed information on system configuration, memory resources, network connections, CMOS, IRQ settings, Interrupt Vectors, I/O addresses, BIOS... In fact, a complete analysis covering both DOS and Windows environments. Additional advanced features include an Uninstall utility, Change Detector, file compressor, Modem and CD-ROM tester and performance Benchmarks. Eliminate hours of frustration with the help of CheckIt Diagnostic Kit - the most advanced hardware diagnostic kit available for Windows.

WINDOWS 1995 WIN 100 — INFO WORLD TOP SCORE

TouchStone

Uninstall Utility - Locates, removes & archives unwanted applications.
Clean & Zip™ - Manages zip files & creates more room on your disk drive (Windows 95 version supports long file names).
Bonus CD-ROM - McGraw-Hill Technical Library - 4 free books on CD-ROM worth £60
CheckIt Tools - A set of handy screwdrivers plus TouchStone's special loopback plugs that aid diagnostic testing of parallel & serial ports.
Hardware Tests - Test your modem or CD-ROM & use the performance benchmark tests to rate & compare your overall system.

Easy to use & extremely powerful - WinCheckIt is the all-in-one Windows problem solver.

RMG026 **WinCheckIt Diagnostic Kit** **$159**
WIN096 **WinCheckIt 4.0** **$79**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 2Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

RamGate™ - The Ultimate Windows crash protection

Stop Windows from CRASHING!!! with RamGate!

It's frustrating when your PC crashes and, at worst, lose a files entire contents through corruption. Major problems you can encounter in Windows are:

Out of Memory
Insufficient Memory
Out of Resources
General Protection Fault (GPF) - commonly known as a crash
Illegal Operation (Win95 GPF)

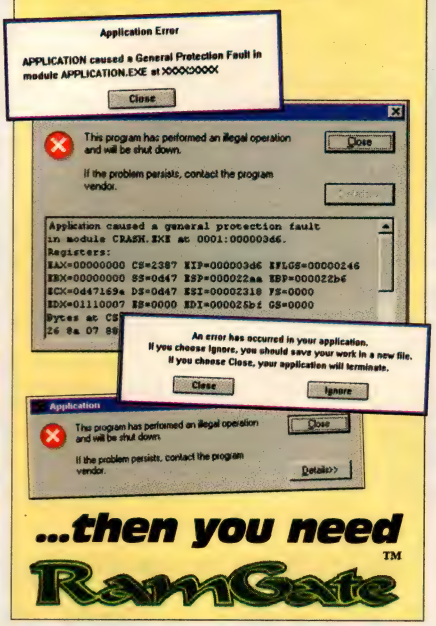
RamGate is a utility which stops Windows from crashing by controlling the way in which Windows applications access RAM, virtual memory and Windows system resources. The basic principle behind RamGate is simple; to use memory and resources contiguously. RamGate ensures that when an application makes a request for memory and resources, it is given a block immediately next to the previously allocated block. Additionally, a small buffer zone is built into the request for, and subsequent allocation of memory resources. This basic allocation method is in contrast to that of native Windows which will take memory and resources from anywhere. Contiguous use of memory and resources will provide for a more efficient operation of Windows as well as improved stability. This is why you will be able to safely run more applications than ever before.

- Protect Against GPFs
- Improve Stability
- Prevent Loss of Data
- Windows 95 and 3.1x
- Australian Business Software of the Year

Designed for Microsoft Windows 95

WINNER RAMGATE Australian Business Software of the Year

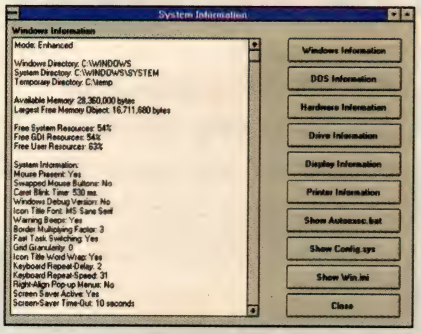
Have You Ever Been Annoyed by any of these Error Messages on your PC?


Application Error
APPLICATION caused a General Protection Fault in module APPLICATION.EXE at XXXX:XXXX
Close
This program has performed an illegal operation and will be shut down.
If the problem persists, contact the program vendor.
Close
Application caused a general protection fault in module CRASH.EXE at 0001:00003d6.
An error has occurred in your application.
If you choose Ignore, you should save your work in a new file.
If you choose Close, your application will terminate.
Close
Ignore
Application
This program has performed an illegal operation and will be shut down
If the problem persists, contact the program vendor.
Close
Details>>

...then you need RamGate™

RamGate is a Terminate and Stay Resident (TSR) program which, once initiated puts a protective layer around the system resources and memory and a shield inside Windows itself. The major benefits of RamGate are as follows:

- **Allows system resources to be utilised down to 0% free without an increase in the number of GPFs (crashes), which typically increase dramatically once free system resources drop below 35%**
- **PC performance is not impaired as free system resources fall below 35%. Typically, this is impossible to achieve in Windows**
- **Since approximately 30% of system resources is used by Windows itself, only about 35% of system resources are usable before the danger level for GPFs (crashes) is reached. With RamGate, the remaining 35% of free system resources becomes as stable as the resources in the 35-70% range, thus allowing the user to safely open many more applications**
- **No Windows system files are changed or modified making RamGate ideal for networks**
- **RamGate does not replace or modify any Windows files or application files**
- **RamGate effectively "Defrags" the FAT, RAM and Virtual Memory**
- **RamGate will run on Windows 3.1, 3.11, Windows for Workgroups, Windows 95 and Windows NT**



RamGate's easy-to-use interface makes navigating through your system simple.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

RamGate Testimonials

"It manages Windows resources much better than Windows does. Testers found they could work with very low resources without crashing and run more applications at once"
Angel Ioannou - Senior Systems Engineer, Lotus Development. 27/6/95

"The RamGate professional product tested well on the Compaq Armada and LTE 5000 portable computer family. Compaq considers it a good investment for customers looking to manage their computer memory resources efficiently, without affecting their existing software configuration.
Vincent Bevan - Technical Specialist, Compaq Europe, Nov 1996

"It's a good product and appears to do what it says it does"
Greg Buchanan - Director of Software Support, Microsoft Asia Pacific. 27/6/95

"This product deserves special mention for a number of reasons. It's an Australian product, it has been very well received by users and testers and it works in a completely different way to the RAM doublers with which it's often confused in popular perception"
Neale Morison - PC World, March 1996

RamGate - Winner of the Australian Business Software of the Year Award - 1995-96 Competition sponsored by Channel 9, Quantas, Austrade and Optima Computer. Awarded ahead of 182 other entrants.

WINNER RAMGATE Australian Business Software of the Year

RamGate - The PC utility your system can't afford to run without!

RamGate JUST LOAD IT

ONLY $59.95

STOCK CODE: AUS118

Marketing & Distribution by HOTKEY. Internet address: http://www.ramgate.com.au e-mail address: software@hotkey.com.au

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

ModemShare™

One phone line, One modem, for everyone in the office.

3.5

Online services and the Internet have become vital business tools. Now, there is an easy, affordable solution to dedicating a phoneline and modem for each user- with INSYNC *ModemShare™.

Features

- Shares modems and phone lines mixed Win 95, Win 3. and DOS environments
- Works with your favourite Internet browser and other on-line access programs
- Provides total interoperability between Windows 95,Windows 3.x and DOS PCs
- Works with the latest 32bit communications applications
- In Win 95, multiple modems can access multiple services simultaneously
- Connects to a COM port for direct access to a mainframe or other serial device
- Re-directs COM ports to shared modems under Windows 3.x and Windows 95
- Allows global views of available resources and their status on the network

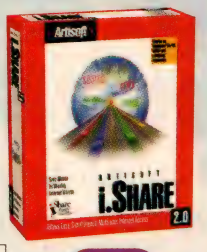
The answer to your companies dreams

ART020 Artisoft Modem Share 7.0 1 Port $140

ART047 Artisoft Modem Share 7.0 2 Ports..... $245

ART040 Artisoft Modem Share 7.0 4 Ports..... $455

Artisoft i.Share v2.0



i.Share 2.0 is the way to save money while giving everyone on your network access to the Internet. i.Share provides simultaneous Internet access for every Windows 95, 3.11 or NT 3.51 client on your network from a single, secure access point on a Windows 95 server, now you only need:

One Internet account, one phone line connection, one IP address and one TCP/IP stack (server only).

This eliminates the need to have a separate ISP and phone connection for each user, cuts administration expenses, and reduces memory usage on each PC requiring Internet access. Additional features include Eudora™ Light e-mail client software; Tierra Highlights™ Internet monitoring and alert software; NetCentric™ FaxStorm™ software for cheaper faxing over the Internet; Forte FreeAgent news reader; and Kali™ Internet gaming software.

Artisoft

3.5

ART043 Artisoft i. Share v2.0 for Microsoft/Lantastic $275

ART046 Artisoft i. Share v2.0 for Netware $275

Artisoft XtraMail v1.0

E-mail that makes your business look bigger, run smarter and faster!

Power up your communications with Artisoft's XtraMail, the low-cost , full-featured, easy to use e-mail solution. Now you can exchange messages fast, whether it's the next room or across the world. Use the Internet's globe-spanning reach to stay in touch with employees, customers and far away important contacts. Designed and priced for small businesses and branch offices, it still has the robustness and scalability to meet the demands of growing businesses.

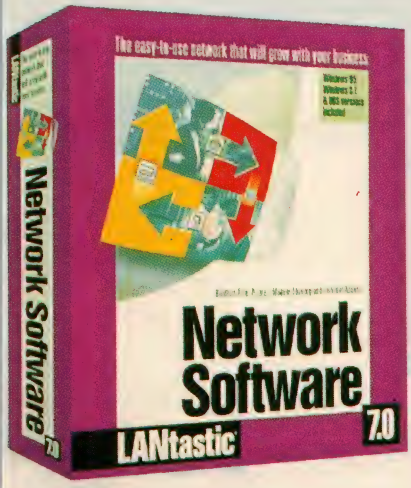
Artisoft

ART044 Artisoft XtraMail for Windows 95 ..... $325

Network Software V7

The first Internet-ready network for small and growing businesses!

LANtastic version 7.0, upgrades the award-winning LANtastic network operating system with more speed, improved memory handling, expanded communications and new Internet and WAN connectivity features. LANtastic combines these newly enhanced capabilities with the ease-of-use and industry-low prices that have made LANtastic the leader in small-business networking.



The newly enhanced interface allows networked PCs to use chat and LANtastic e-mail features. And your connectivity options have been extended to include a powerful TCP/IP stack which allows both Wide Area Network (WAN) connections and access to UNIX hosts an applications.

- Includes software for Windows 95, Windows and DOS platforms
- Grows with you from 2 to 100's of PC's
- Built-in modem and phone sharing
- Netscape Navigator Internet Client
- Supports TCP/IP connections
- Wide Area Network capability
- Made faster for Windows 95
- Drag+Drop network administration
- Connects to Microsoft® and Novel® networks

The LANtastic Custom Control Panel lets you give LANtastic for Windows 95 your own look and feel. This panel includes user customizable page tabs and buttons and allows you to drag and drop applications onto tabbed pages. A new, enhanced user interface integrates well into the Windows 95 desktop environment, making it easy to use for both current and new users.

Safe

- Robust, comprehensive network security features, with easy set up and administration
- Includes a 30-day, money-back guarantee
- Employs the proven, award-winning LANtastic network operating system
- On-line help system gets you up and running fast

ART018 LANtastic V7 2 User Starter Kit..... $399

ART021 LANtastic V7 Single User Addon Kit..... $215

ART022 LANtastic V7 Single User CD $115

ART023 LANtastic V7 Single User 3.5 ..... $130

ART024 LANtastic V7 10 User CD..... $465

ART025 LANtastic V7 10 User 3.5 ..... $475

ART026 LANtastic V7 Unlimited User CD $915

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P.2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

NETWORKING

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

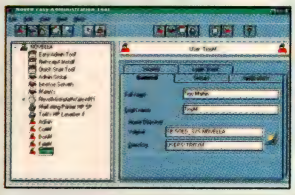
IntranetWare for small business

If you own or manage a small business, you want a network platform designed to meet your needs - not a one-size-fits all solution.

NEW PRODUCT

IntranetWare for Small Business from Novell is one of a kind because it's designed specifically for small businesses. It's a network that's not only easy to use but affordable to own and operate. In fact, with nodal licensing, you purchase the exact number of connections you need and you can add additional nodes as you need them - even one at a time.

IntranetWare combines Novell's leading networking foundation with its new standards-based intranet services to create a powerful platform for deploying private corporate intranets and connecting to the global public Internet. IntranetWare provides both IP and IPX access to intranet resources, including Web servers, FTP servers, Internet WAN connections and more. IntranetWare leverages the capabilities of the superior file and print, security, management and directory services provided by NetWare 4, opening it into a scalable full service business intranet. IntranetWare preserves NetWare customers' existing network investment while allowing them to embrace Internet technology and the benefits of today's full-service intranets.



What's in it for you ?

A network brings working people together like nothing else can. It lets you access and exchange information. You can share files, printers, modems and other computing resources. Connect to the Internet, and of course, connect to each other. IntranetWare for Small Business makes it all easy. Custom-made for small business owners and managers looking for a no-hassle networking solution, it offers all of these advantages:

- Simple Installation, Easy Administration – IntranetWare for Small Business can be installed in less than 30 minutes. Novell Easy Administration Tool™ (NEAT) makes adding users, printers, groups and applications to your network simple - Providing graphical, step-by-step directions.
- Pay As you Grow – You want the network technology you need when you need it. With nodal licensing, you can add additional employees to the network as your business grows, buying the exact number of licenses you need today and tomorrow.
- Help is Never Far Away – With IntranetWare for Small Business, forget about sifting through manuals. You get answers in no time on-line. On-screen, graphical help includes full-text documentation with Full-text search capabilities using the industry's most powerful tools. What's more, you connect to the Internet using Netscape Navigator (the Internet browser included with IntranetWare for Small Business), to get up-to-the minute document from Novell.
- Network Access Anytime, Anytime – With NetWare Connect© (included with IntranetWare for Small Business), any employee or supplier and customer you authorise can access the network from any location using any Windows*, DOS or Macintosh* computer.
- Remote - Management - Enabled – A feature-rich network operating system, IntranetWare for Small Business enables an authorised service technician or reseller to remotely monitor your network and even diagnose and correct most network problems without going on-site – resulting in faster, more affordable service and support.
- Minimise Hardware Expenditures – IntranetWare for Small Business and NetWare Connect also let you save money because your staff can share modems and phone lines to dial out and connect to the Internet.

NOV300 **IntranetWare for Small Business (Crossgrade Version)- 1 User.....$79**

NOV301 **IntranetWare for Small Business (Crossgrade Version)- 5 User.....$379**

NOV302 **IntranetWare for Small Business (Crossgrade Version)- 5 User+Server.....$549**

Features

Easy to afford Easy to operate

- Is the scalable, full-service intranet platform businesses need.
- Is built on Novell's premier networking foundation – NetWare.
- Provides the industry's best file, print, security, management and directory services.
- Combines Novell's leading networking foundation with its new intranet services.
- Is the most reliable, secure, and powerful platform for deploying private corporate intranets.
- Gives customers the technology they need to seamlessly connect to the public Internet.
- Gives customers protocol independence with access to intranet resources from both IP and IPX networks.
- Includes integrated Web server, browser and intranet development tools.
- Enables customers to preserve their existing network investment.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Get the Internet Advantage for Your Business!

SPECIAL OFFER available only until 30 April, 1997

For a short time only, Australian small/medium enterprise can take advantage of these great deals to bring business networks into the future with the best Internet/networking technology available today from Novell, world leader.
If you own or manage a small/medium enterprise, you want a network platform designed to meet your needs – not a one-size-fits-all solution.
IntranetWare for Small Business is one of a kind because it's designed specifically for small businesses.

*One year unlimited access option available in NSW and Victoria only

Plus unlimited Internet access

It's a network that's not only easy to use but affordable to own and operate. In fact, with nodal licensing, you purchase the exact number of connections you need. You can also add additional nodes as you need them – even one at a time.

Includes:
- 5 user IntranetWare for Small Business
- 33.6 kpbs modem
- Lotus SmartSuite 95

Features:
- 5 user IntranetWare for Small Business
- 33.6 kpbs modem
- Lotus SmartSuite 95
- One year unlimited Internet access*

NOV304 5 User + 33.6 Modem + Lotus S/Suite **$699**

NOV305 5 User + 33.6 Modem + Lotus S/Suite **$899** + 1 year unlimited Internet access (NSW &Vic only)

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Fast EtherLink Cards

3Com EtherLink adaptors your first choice for Network Interface Cards!

Future-proof your new PCs and servers with the highest performance 10/100Base T network connections - in a single adaptor!
These adaptors have auto sensing, and know precisely which speed to operate at. They're easy to use, with automatic configuration and installation software, plug and play compatibility and three LEDs indicating operation speed and network activity. They come with 3Com's lifetime warranty and free SNMP management agents, the Fast EtherLink Parallel Tasking PCI 10/100BASE-T Adaptor provides the best price and performance around.

3Com Corporation: The Global Networking Company

3Com Corporation became a driving force at the dawn of the computer networking industry, more than a decade and a half ago. With more than $2.5 billion in 12-month sales and 36 million users worldwide, 3Com is one of the largest, most profitable and fastest growing networking companies in the world. 3Com combines cutting-edge research and development with world-class manufacturing facilities and an international service and support infrastructure.

Adapters

Code	Part No.	Name	Inc. TAX
AUP101	3C515-TX	Fast EtherLink 10/100 Base-TX ISA (Cat 5 UTP)	$269
AUP102	3C515-TX-5PK	Fast EtherLink 10/100 Base-TX ISA (Cat 5 UTP)	$1269
3CM023	3C905-TX	Fast EtherLink XL PCI 10/100 Base-TX (Cat 5)	$229
3CM024	3C905-TX-5PK	Fast EtherLink XL PCI 10/100 Base-TX 5	$1049
3CM014	3C900-TPO	EtherLink XL PCI-TPO	$185
3CM015	3C900-TPO-5PK	EtherLink XL PCI-TPO (5-pack)	$879
3CM016	3C900-COMBO	EtherLink PCI - Combo	$225
3CM017	3C900-COMBO-5PK	EtherLink PCI - Combo (5-pack)	$1029
AUP111	3C509B-TP	EtherLink III TP	$189
AUP112	3C509B-TP-5PK	EtherLink III TP (5-pack)	$779
3CM002	3C509B-TPO	EtherLink TPO Single	$159
3CM005	3C509B-TPO-5PK	EtherLink TPO Integrator Pack - 5 Pack of TP	$729
3CM003	3C509B-COMBO	EtherLink III Combo Single	$209
3CM006	3C509B-COMBO-5PK	EtherLink III Combo (5 Pack)	$889
AUP117	3C509B-TPC	EtherLink III ISA TPC combo (single)	$189
AUP118	3C509B-TPC-5PK	EtherLink III ISA TPC combo (5 pack)	$859

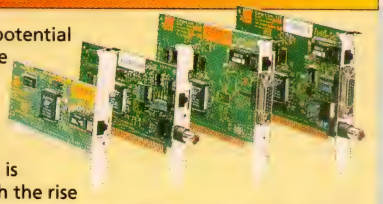
OfficeConnect

Code	Part No.	Name	Inc. TAX
AUP125	3C16700-AA	OfficeConnect Hub/8TPO-Basic Unmanaged	$259
3CM025	3C16701-AA	OfficeConnect Hub/8TPC-Basic Unmanaged	$319
AUP127	3C16710-AA	OfficeConnect Hub/8TPM-Managed Hub	$829
AUP128	3C16720-AA	OfficeConnect Hub/8TP100-Managed Hub	$1499
AUP129	3C16730-AA	OfficeConnect Switch 140, 4x10 Base T	$1599
AUP130	66298600748	Castelle OfficeConnect Fax Server	$2349
AUP131	66298600742	Castelle OfficeConnect Print Server	$699

Ethernet PC Cards

Code	Part No.	Name	Inc. TAX
3CM009	3C589C-TP	EtherLink III LAN PC Card, TP	$229
3CM020	3C589C-TP-5PK	EtherLink III LAN PC Card, TP Five Pack	$1049
3CM021	3C589C-COMBO	EtherLink III LAN PC Card, Combo (coax &	$309
AUP122	3C589C-COMBO-5PK	EtherLink III LAN PC Card, Combo (coax &	$1409
AUP123	3C563C-TP-AA	EtherLink III LAN +233.6 Modem PC Card	$549
AUP124	3C563C-COMBO-AA	EtherLink III LAN +33.6 Modem PC Card	$619

Networking the World: Simply and Cost Effectively



Networking has the potential to change the way we communicate and access information, both at work and at play. The pace of technological change is accelerating, and with the rise of the Internet and related technologies, networking is truly becoming ubiquitous. With a network connection, you can download a financial spreadsheet, a homework assignment, or a computer game. Send electronic mail to your staff, your sister or your senator. Buy a stock, promote a product or make a date. 3Com envisioned this revolution early in the decade and has positioned itself to succeed with innovative, market-leading products and technologies. Our scalable networking solutions provide connections to users in enterprise workgroups and along corporate backbones, in small businesses and branch offices, at home and on the road. 3Com is the undisputed leader of networking solutions for the network edge with number one market share positions in network adapters, stackable networking systems and Boundary Switches. The company is also the second largest supplier of high-performance networking systems for the network core, including routers, High Function Switches and multi-function switching hubs.

Hubs

Code	Part No.	Name	Inc. TAX
AUP132	3C16400-AA	SuperStack II Port Switch Hub 10, 12-port	$849
AUP133	3C16401-AA	SuperStack II Port Switch Hub 10, 24-port	$1449

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

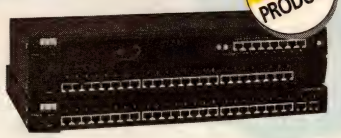
- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions pg 2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Catalyst 1900 small network switch

NEW PRODUCT



Accelerated LAN performance for workgroups with switched Ethernet

The Catalyst 1900 is a fixed configuration switch offering an affordable and effective way for small and medium sized workgroups to improve LAN performance with high-speed links to the server, backbone and users. This model offers scalable bandwidth, seamless management, configuration flexibility, and true plug-and-play operation. The Catalyst 1900 switch is preconfigured with 25 switched 10BaseT and a choice of two 100BaseTX or mixed 100BaseTX and 100BaseFX switched ports, to suit your network requirements. Each switched 10BaseT Ethernet port provides full 10-Mbps of bandwidth for workgroups and users requiring increased performance, while protecting any existing investment in 10BaseT hubs and adapters. The Catalyst 1900 can be used to replace or segment existing 10BaseT hubs with ease. This versatile network switch can be used alone to enhance user performance to the backbone with dedicated 10-Mbps links, or in conjunction with the FastHub 300 Series to provide dedicated 10-Mbps links to individual users. The Catalyst 1900 is also capable of storing 1,024 Media Access Control (MAC) addresses.

Features Include:

- *24 x 10BaseT ports plus 1 x AUI deliver 10-Mbps to workstations or hubs.*
- *Preconfigured with Fast Ethernet and Fibre ports.*
- *Full duplex on all Fast Ethernet ports deliver up to 200Mbps to servers, routers and switches.*
- *Selective forwarding of IP traffic to targeted multi-media end stations, reducing overall traffic.*
- *Secure address options give administrative control over network access.*
- *Complete SNMP network management.*
- *Supports 4 RMON (Remote Monitoring) groups for further traffic management.*
- *SwitchProbe monitors traffic of a single port, or group of ports, or the entire switch.*

CISCO SYSTEMS

STOCK CODE: CIS101

$5495

Catalyst 2820 expandable small network switch

Flexible, faster LAN performance for switched Ethernet networks

This switch has all the features of the Catalyst 1900 plus two expansion slots for additional network customisation. The Catalyst 2820 offers scalable bandwidth, seamless management and broad configuration flexibility. This versatile switch has 25 switched 10BaseT ports and two expansion slots for a choice of multiport interconnect modules, and also supports up to 8,192 MAC addresses offering superb media flexibility for evolving requirements. The Catalyst 2820 connects users directly to desktops or 10BaseT hubs for LAN segmentation, providing added flexibility and investment protection. Additionally CollisionFree full duplex operation on 100BaseT ports eliminates collisions and provides up to 200-Mbps of bandwidth to servers, routers and other switches.

Features Include:

- *24 x 10BaseT ports plus 1 x AUI deliver 10-Mbps to workstations or hubs.*
- *2 x expansion slots support 100BaseTX, 100BaseFX and FDDI modules.*
- *CollisionFree full duplex on all Fast Ethernet ports deliver up to 200Mbps to servers, routers and switches.*
- *Selective forwarding of IP traffic to targeted multi-media end stations, reducing overall traffic.*
- *Secure address options give administrative control over network access.*
- *Complete SNMP network management.*
- *Supports 4 RMON (Remote Monitoring) groups for further traffic management.*
- *SwitchProbe monitors traffic of a single port, or group of ports, or the entire switch.*

CISCO SYSTEMS

STOCK CODE: CIS100

$6495

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Micro Webserver

Internet / Intranet web hosting for enterprise, small business, branch office and educational use.

NEW PRODUCT

Cisco's Micro Webserver is a cost effective "plug & play" Web server appliance that gives enterprise, small business, branch office and educational customers an easy way to establish an Internet presence or provide Intranet-based intra-office communications. The Micro Webserver is ready to set up, install and configure, straight out of the box - in minutes. Plug in the Ethernet cable, set the IP address, and you're away! Featuring an easy to use Java graphical user interface (GUI) management application interface and HyperText Transfer Protocol (HTTP), the Micro Webserver operates seamlessly in all networking environments and is the ideal choice for a wide variety of customers and applications.

Features Include:

- ***Real-Time HTTP 1.1-Compliant Kernal*** - Prevents hacking, enables multi-user password protection and makes files less prone to corruption.
- ***Java GUI Configuration Management*** - Easy set up and network administration.
- ***Rich Application Sets*** - Form Builder tool and File Transfer Utility included (Win 95/NT)
- ***10BaseT Support*** - Ready for LAN use.
- ***100MB Internal, Removable Zip Drive Media*** - Enhanced Web authoring, content creation, information dissemination and transfer.
- ***Support for Multiple Peripherals*** - Extensible for storage flexibility and expansion.
- ***Platform Independent*** - Hides the complexity of traditional Web server with packaged software and hardware.

CISCO SYSTEMS

STOCK CODE: CIS102

$2299

760 Series ISDN Router for small offices

Free Software

Ethernet-to-ISDN routers for telecommuters and remote office users

The Cisco 760 series routers are ideal for customers who want a high-performance telecommuting solution that can meet both their voice and data communication needs. Offering high speed ISDN connections, and allowing standard telephones, fax machines and modems to share a single ISDN BRI (Basic rate interface) line, the 760 series eliminates the need for additional lines and ISDN telephones and with a built-in Ethernet port it also provides a local area networking capability. The Cisco 760 series offers the benefits of IP and IPX routing, Simple Network Management Protocol (SMMP) management, multilevel authentication, and multilink Point-to-Point Protocol (PPP), all in a modem sized package. The 760 series basic system configuration allows up to four devices connected to the LAN, while the Remote Office (RO) software option allows up to 1500 devices on the local LAN. Additionally The 760 series includes Cisco ConnectPro software, a Microsoft Windows based application that simplifies installation, configuration and management of 760 routers and ClickStart, a Web-based configuration tool.

Features Include:

- *1 x ISDN BRI port; 1x Ethernet port*
- *Multiprotocol support: ISDN BRI, PPP, BOD, Multilink PPP, IP/IPX routing and transparent bridging.*
- *Lowest cost of ownership in terms of support, acquisition and WAN services.*
- *Dial-on-Demand Routing*
- *Ease of Use installation, configuration and monitoring.*
- *Personal Network Profiles like customised filters, parameters, passwords, and demand thresholds for each remote user*
- *Full Interoperability with Cisco IOS routers*

CISCO SYSTEMS

STOCK CODE: CIS103

$1099

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

NETGEAR

All your affordable and guaranteed network solutions

Netgear is the first connectivity provider focused exclusively on the small Office/Home Office (SOHO) market, offering top-quality technology, extensive warranties and comprehensive service. Such connectivity used to be expensive and out of reach to small businesses. But not anymore. NETGEAR, a Bay Networks company, was founded in 1996 as a business. unit of the $2 billion network manufacturer. Bay Networks, recognised as a worldwide leader in enterprise networking and client server networking solutions, established NETGEAR to serve the rapidly growing small business and home office market.

FA310TX PCI 10/100 Ethernet Adaptor

FREE Technical Support

The FA310TX is an auto-sensing 100BASE-TX Fast Ethernet PCI adaptor designed to support the next generation multimedia power-applications. The adaptor is like 2 products in 1-while it supports the 100BASE-TX 100Mbps high speed standard, it also runs in 10BASE-T 10 Mbps mode. Even if you have no immediate plan to upgrade to 100 Mbps, the price/performance offered by this adaptor makes it an easy decision now while still protecting your investment for the future

Features:
- 10/100 Mbps to operate with 10Mbps or 100Mbps hubs or switches
- Single, Auto-sensing RJ-45 port
- Plug-and-play installation
- All popular drivers supported
- 5 at-a-glance LED's
- Lifetime Warranty and Free Technical support

NETGEAR

STOCKCODE: BAY109

- **Model # FA310TX** *1 Auto-sensing RJ-45 port*

$169

FE500 Fast Ethernet Hubs

The FE Series 100BASE-TX Fast Ethernet hubs provide a cost effective way to relieve bandwidth bottlenecks and help future proof your network. Applications including multimedia, groupware, imaging and client/server databases are already pushing the performance limits of traditional 10 Mbps Ethernet, even in small networks. With the NETGEAR FE series hubs users can make that next step easily and with confidence.

Features:
- Expandable from 8 to 64 users
- plug-and-play – no software needed to configure
- Built-in port LEDs clearly indicate port status
- Push button RJ-45 Uplink port for network expansion
- 5 Year Warranty

- **Model # FE508** *8 100BASE-TX ports*
- **Model # FE516** *16 100BASE-TX ports*

NETGEAR

BAY100 8 Port 100BaseTX Stackable..... **$1319**

BAY101 16 Port 100Base TX Stackable..... **$2259**

SW500 Ethernet Switches

Enhanced Network Reliability

With increasingly demanding applications, shared Ethernet networks are approaching full capacity. The SW Series Ethernet switches enhance productivity and Network reliability by segmenting the workgroup into smaller units. And with the 10/100 Mbps port on the SW series switches you can easily migrate your network, start now at 10 Mbps and move to 100 Mbps when needed.

Features:
- Auto-sensing 10/100 Mbps port provides an upgrade path
- Adaptive forwarding modes – cut-through, fragment free cut-through and store-and-forward
- Switch selectable half/full duplex
- Wire speed filtering & forwarding
- Plug-and-play. No software needed to configure

NETGEAR

- **Model # SW502** *1 auto-sensing UTP, BNC or AUI10 Mbps port, 1 10/100 Mbps port*
- **Model # SW507** *6 UTP 10 Mbps ports, one 10/100 Mbps port*

BAY102 6 Port 10Base 1 10/100BaseT **$2589**

BAY103 2 Port 10/100BaseT **$889**

EN100 Ethernet Hubs

NETGEAR

The EN Series 10BASE-T Hubs deliver standards-based, plug-and-play networking solutions to small businesses, home offices and low density workgroups. The EN 100 series includes 4-, 8-, and 16-port hubs featuring an extremely slim-line design with all the functionality and ease of use you need.

Features:
- Slim, sturdy metal case allows for installation anywhere
- Built-In port LEDs for unambiguous real-time status
- AUI/BNC backbone support • Limited Lifetime Warranty
- Push button RJ-45 Uplink port for network expansion

- **Model # EN104** *4 10BASE-T ports, 1 BNC port*
- **Model # EN108** *8 10BASE-T ports, 1 AUI and BNC port*
- **Model # EN116** *16 10BASE-T ports, 1 AUI and BNC port*

BAY104 16 Port 10BaseT w/AUI & BNC .. **$369**

BAY105 8 Port 10BaseT w/AUI & BNC..... **$219**

BAY106 16 10BaseT Stackable Hub **$509**

BAY107 8 10BaseT Port w/AUI & BNC **$279**

BAY108 4 10BaseT Port with BNC Port **$149**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions PG
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight Delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Microplex Internet & Online Games

All you need to connect to connect to the internet and to the Microplex Online PC games

Internet Connectivity

Include with Microplex Internet & Online Games is essential software that will provide you with internet connectivity, World Wide Web and Electronic Mail for Windows 3.1 and Windows 95. Use this valuable world wide information resource to search for information, keep in contact with friends and business associates and for entertainment.

All you need to connect to the Internet!

Online Multiuser Games

Also included on the CD is software to bring a new world of entertainment to your PC. Software such as:

- Online Multiuser PC games
- Supporting titles such as: Command and Conquer, Warcraft II, Descent 2, EF2000, Microsoft Monster Truck Madness, Hind and Advanced Tactical Fighter.
- Over 300MB of demonstration and evaluation PC games that provide multiplayer capability.
- Software is included on the CD-ROM for Windows 95 and MSDOS.

Connectivity Options

Every Microplex account is provided with free personal World Wide Web space, so you can have your very own window to the world. Microplex provides service in Sydney, Melbourne, Brisbane, Hobart, Adelaide, Tamworth, Armidale, Newcastle, Katoomba, Moree and Gunnedah with more points of presence being added often.

Stock Code: SPI106 **$39.95**

MBE Spirit Modems

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Spirit Ventura

Works with Win 95

The Spirit Ventura PC-Card integrates the features of a high speed modem with your portable computing solution, delivering the fastest data and fax speeds available in a credit card sized package.
Spirit Ventura is a breeze to install and comes supplied with a full compliment of software. This includes, an internet access starter kit (with free connect time), fax send and receive software, as well as a traditional data communications terminal package.

Stock code: SPI107 **$399**

Spirit Cobra

The Spirit Cobra is a fully featured high speed 33,600 bits per second (bps) data, voice and fax modem that compiles with the new V.34 Plus modulation standard (33,600bps) as well as offering full support for V.34 and the now obsolete V.Fast-Class mode of operation. Naturally, all slower standard speeds down to 300bps are also supported.

5 Year Warranty Offer

Stock Code: SPI100 **$359**

SPI101	Cobra Int 33.6Kbps Voice	$329
SPI102	Viper External 33.6Kbps Pro	$349
SPI103	Viper Internal 33.6Kbps	$329
SPI104	Dragon Ext 33.6Kbps	$275
SPI105	Viper96 Int 33.6Kbps	$255

Commonly asked questions about 56Kbps Modems

Q When will 56K modems be available for general use in Australia?
A September 1997 we estimate (using Rockwell K56+).

Q Should I wait until the technology is released before I buy a modem?
A There is no need to wait. Most Rockwell based modems will be upgradeable to K56+. You should check that the modem you purchase is upgradeable to K56+ if you are concerned

Q Will two identical 56Kbps modems communicate at 56Kbps?
A No. 33.6Kbps is the absolute maximum in this instance.

Q When can a 56Kbps modem achieve its full speed?
A Only when connected to a Service Provider that supports K56+. To do this, your Service Provider needs special equipment that has direct digital connection (ISDN) to the phone exchange.This is why 2 identical modems will not achieve a 56Kbps speed.

Q Will this new technology deliver 56Kbps in both directions (to and from the ISP)?
A No. 56Kbps will be the maximum speed from the Service Provider to you and 33.6Kbps will be the maximum speed from you to the Service Provider.

Q Will the new 56Kbps modems really be capable of delivering the additional speed on an ordinary phone line?
A Yes. The extra speed is achievable largely because of the Service Provider's accurate connection. 56Kbps should be achievable in instances where maximum of 28.8Kbps was achievable before.

Q Is there an accepted standard for 56Kbps modulation?
A No. There are two different types of 56Kbps being developed. Rockwell use their own creation known as K56+ where Texas Instruments and USR have theirs, which is called X2.

Q Will this new technology increase the speed of my Net surfing?
A Yes. For serious Net users the speed increase will be significant! The 56K technology allows all information to flow form the ISP to you at roughly twice the speed.

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

MODEMS

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Hayes Fax Modems

From the inventor of the PC Modem!

Hayes

When technology changes, isn't it best to go with the industry standard? Experience the Internet, online services, bulletin boards, e-mail, cybershopping, faxes and professional message centre software. Available Windows® or Macintosh™ PC's.

Accura 336 Data/Fax/Voice

- Up to 33,600 bit/s data throughput
- Voice messaging and fax on demand
- Remote voice and fax message retrieval
- Hayes Smartcom Message Centre LE voice/data/fax software
- Netscape Navigator full 1 year license
- 5 year warranty, lifetime support

Optima PC Card Modem

Highest quality, GSM Flash upgradeable, works with all laptops guaranteed.

Optima Business Modem

World's fastest modem 230, 400 bit/s Voice/Data/Fax, remote configuration, security flash upgradeable, leased line ideal for business or the power user.

AUP169 Accura Data/Fax V34 ..... $269

AUP170 Accura Message Modem V34 ..... $369

AUP171 Optima PC Card Modem $449

AUP187 Optima Business Modem V34..... $459

NetComm

Roadster 336 Ultra SVD

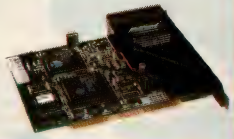
The total communications package!

Cruise the communications highway in the ultimate machine. This high speed voice capable faxmodem comes with everything including software (fax, data, internet and voice), cables and power supply. SVD capabilities enable concurrent voice and data conversations (send data or fax messages while talking to the recipient, play a multimedia game while shouting at your opposition, yes it even comes with a headset!) Unique Faxswitching technology elevates the need for a special fax/data line - perfect for home or office.

- Sleek external design
- 115.2kps throughout
- Voicemail with call forwarding
- SpeakerPhone function
- Australian designed and manufactured
- Lifetime Warranty with 1800 free support

InModem 336

Want a faxmodem for your desktop PC but hate the plates of spagette they typically involve? Check out the NetComm Inmodem, it has a high speed 33.6kps data speed with 4:1 compression and 14.4kps fax, suits any PC with a full or 1/2 size ISA compatible slot and comes with a very attractive price tag!



- Fits inside a standard desktop PC
- Easy to install
- Ideal for home or office
- Supplied with fax & data software
- Australian designed & manufactured
- Lifetime warranty with 1800 free support

AUP137 InModem 336 (Internal) $249

AUP136 Roadster 336 Ultra SVD $299

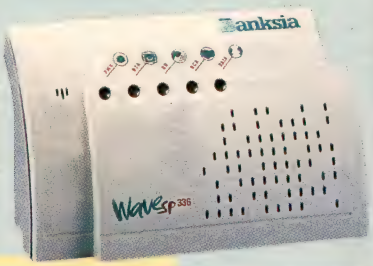
AUP173 CardModem 336 PCMCIA..... $359

Banksia Wave SP

FREE WEB & INTERNET SOFTWARE

The fully featured 33,600bps modem!

The Wave SP is the first modem to be awarded a prestigious Australian Design Mark in recognition of design excellence and innovation.
The assessment panel commented that "(the Wave SP) is radically different from its competitors and upholds the highest principles of unitary design".



Banksia's revolutionary new wave SP Fax Modem includes;

- High speed data transmission at 33,600bps
- Fax transmission at 14,400bps
- Simultaneous voice & data (SVD) transmission
- Full duplex speakerphone (hands free telephone)
- Fully featured smart answerphone
- Microsoft Internet Explorer™ for Internet surfing & Web site construction
- The best new games
- A radical new shape for optimum audio performance

AUZ134 Banksia Wave SP Fax Modem..... $249

Banksia GSM Card

One modem for standard phone lines & your digital mobile phone

Banksia's GSMCard is the ideal solution for the executive on the move. Check your e-mail, or send and receive faxes and data files as easily from your car, hotel room, or home, as from the office.

The Banksia GSMCard links your notebook computer to a GSM digital mobile phone or a standard telephone line, allowing you to fax and transmit data over standard telephone lines (PSTN), as well as over GSM cellular networks using your digital mobile phone. The GSMCard transmits data over the PSTN at 28,800bps and at 9,600bps* over GSM networks. Cellular connection kits are available for a variety of the most popular GSM mobile phones.

Check email and send or receive faxes as easily from your car as your office!

* telephone dependent

AUZ135 Banksia GSM Card..... $629

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P.2
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight Delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 lines in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

KTX V.34 Fax/Modem

FREE BitFax & BitCom Software

The easiest way to leap into the exciting realm of cyberspace

NEW PRODUCT

In these times one of the key components to success is being able to access information quickly and easily, and to communicate your ideas with a minimum of fuss. With a whole new world of electronic information out there, can you afford to be left behind?
The KTX V.34 Fax/Modem is the easiest way to leap into the exciting realm of cyberspace, packed with all the features you could possibly imagine. Boasting a data receive/transmission speed of up to 33,600bps, and with BitCom and BitFax software included, the KTX V.34 represents high-performance at a sound price.

Features include

- Touch-tone and pulse dialling
- Hayes AT compatibility
- Auto dial and auto answer
- Call-back security function
- Full or half-duplex operation
- Synchronous/asynchronous mode selection
- Bundled with BitCom and BitFax software
- Available in external and internal models

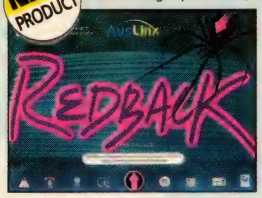
KTX100 KTX 33.6 kpbs Ext Fax/Modem $169
KTX101 KTX 33.6 kpbs Int Fax/Modem $159
KTX102 KTX 33.6 kpbs Ext Fax/Modem + Voice $189
KTX103 KTX 33.6 kpbs Int Fax/Modem + Voice $179
KTX104 KTX 33.6 kpbs PCMCIA Fax/Modem $269

Redback 33.6KBPS SVD Voice/Fax Modems

AusLinx

NEW PRODUCT

The Aus.Linx 33.6kbps Redback modems represent a new generation of PC communications. We offer high speed Data, Fax and Voice transfer facilities, and an extended range of features.



- Fully functional answering machine/fax back system with full voice mail facilities.
- Full duplex Speakerphone for hands free operation.
- Simultaneous Voice and Data (SVD) capabilities, which allow you to transmit data, audio and video images across the world at the same time on the same phone line.

LNX200 Redback External Voice SVD 33.6KBPS Fax/Modem .. $229

NEW PRODUCT

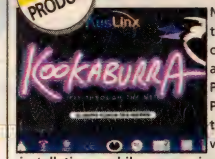
Tasmanian Devil Voice /Fax Modem

- Modem Unit
- Phone cable
- Power Adaptor
- Serial Cable
- Operating Manual
- Data Communication Software
- Fax Application Software

LNX201 Tasmanian Devil Ext. Voice 33.6 ..... $199
LNX202 Tasmanian Devil Int. Voice 33.6 ..... $179

Kookaburra Voice/Fax Modem

NEW PRODUCT



Now, you can stay in touch with your office and clients anytime you wish. PCMCIA Fax/Modem PC Cards are ready to travel. Because with our no hassle installation, mobile communications are just a phone call away.

LNX203 Kookaburra PCMCIA 33.6KBPS Fax/Modem $299

AusLinx

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

CreditCard Ethernet Adaptor 10/100

Designed for Microsoft Windows 95

Connect portable PCs to 100Base-TX Ethernet networks with this high-performance PC Card adaptor!

Portable PC users can now connect to both 10Mbps Ethernet and 100Mbps Fast Ethernet networks with this high-performance PC card. Fast Ethernet is the natural migration path for over-burdened 10Mbps Ethernet networks. Now portable PC users who use graphics-based, network-intensive applications such as database access, imaging, and CAD/CAM, as well as the growing population of e-mail and internet users, can enjoy the benefits of having access to the increased band-width of 100Mbps Ethernet networks for improved response time. **The CreditCard Ethernet 10/100-Ready** provides instant access to both 10Mbps and 100Mbps networks with a single adaptor cable. **The CreditCard Ethernet 10/100-Upgradeable** models are 10Mbps adaptors for those who plan to implement Fast Ethernet in the future, but prefer a cost-effective, upgradeable solution today.

Xircom The Mobile Networking Experts

CE

NEW PRODUCT

XIR010 CreditCard Ethernet Adaptor 10/100 $399

PC Card Ethernet + Modem 33.6

NEW PRODUCT

The fastest performing combination PC Card on the market today! Ideal for use at home, in the office and on the road

The CreditCard Ethernet+Modem 33.6™ revolutionises mobile connectivity by combining both a high-performance Ethernet LAN adaptor and high-speed V.34 data/fax modem in a single PC Card. The 33.6 Kbps data/14.4 Kbps fax modem capabilities provide users with the most reliable, high-speed communications available. The CreditCard Ethernet + Modem 33.6 features simultaneous use of Ethernet LAN and data/fax modem connections making it the ultimate high-performance mobile connectivity solution.

AUP168 PC Card Ethernet Combo (TP & BNC) + 33.6 Modem $599

AUP100 PC Card (TP) + 33.6 Modem $539

CreditCard Modem 33.6

Designed for Microsoft Windows 95

The high-performance modem that gives you the freedom to communicate with the world, anytime, anywhere!

In the office, at home, or on the road, Xircom's CreditCard Modem 28.8™ provides high-speed modem connectivity for the mobile professional. Whether accessing E-mail, downloading or faxing files, or accessing on-line services such as the Internet, the CreditCard Modem 28.8 provides a high-performance,reliable and easy-to-use solution for communicating to the world from any location, at any time.

Features include

- Lifetime warranty and a future-proof Upgrade Program
- Digital Line Protection safeguards your modem against high-current digital phone lines
- 'Plug-&-Play' operation, Windows 95 supported
- Includes Delrina WinFax and WinComm Lite software for direct fax capabilities from Windows
- Flash ROM for future upgrades
- Approved in most European and Asia-Pacific countries
- CountrySelect Utility and Multi-lingual user guide included

NEW PRODUCT

CE

AUP119 CreditCard Modem 33.6 ..... $389

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

MULTI-MEDIA

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Creative Pacific Technology

INVICO Internet Video Conferencing

How do you stay in touch with family or friends who live along way away? By Video Conferencing!

Face to face but miles away!

Nowadays almost everyone has friends and family spread out across the country. Of course, you can stay in touch by writing letters and sending photos or videotapes. And there's always the telephone, but think how much closer you can become when you use video conference. You can see the other person's face – and their reaction – when you tell them all your news. You can share things with them as they happen. And it's great for your children. Even though your parents or other relatives live many miles away, your children can still see them everyday. and the best part is the expense, it's less than one plane trip (to most parts if the country). CINECOM's Videoconferencing software includes a colour Video camera, (to videoconference with your parents, for example, you would need one copy of the software and your parents would need another copy.) An additional benefit is that you can expect to see a major decrease in your phone bill if you set up your videoconferencing to go over the Internet. For the cost of a monthly Internet connection, you can call as many times as you want – and talk for as long as you want. There are no telephone charges or usage costs. (Provided you have local calls, your Internet connection is a local call & you have unlimited access to the Internet for 1 monthly fee.)

Features

- CineVideo allows for true live PC-to PC video
- Full duplex audio and text communication over plain old telephone lines using 14.4 or 28.8 modems, the Internet, ISDN, and/or LAN/WAN, with or without a central server.

AUZ138 **INVICO Internet Video Conferencing** **$354**

CD-Recorder

Create Your Own CD's

The CD-Recorder kit allows you to archive office documents and copy big files with up to 650MB of data storage. The CD-Recorder kit includes a CDR4210 CD-R Drive, ISA PnP SCSI-2 interface card, CD-RAssist 32-bit performance professional premastering Software from Creative, and CD-RMelody Audio Software, which allows you to create your own collection of Audio CD's and play it back on any CD player. The CD-Recorder kit also includes 2 pcs of creative 74min CD-Recordable media, SCSI and audio cables, and is perfect to use for Multimedia.

AUZ139 **CD Recorder** **$789**

3D Blaster PCI

The ultimate 3D gaming experience.

"C-O-O-l!" That's what you'll say about 3D games fire-powered by 3D BlasterPCI. With native Windows 95 acceleration, front-end processing, and 4MB of on-board memory, this card was designed from day one for real fast 3D. What's more, you'll appreciate 3D blaster PCI's 2D acceleration, Video support and Blazing SVGA performance, so you can do all the things you've ever done, & more.

Features

- Propels 3D Game play to a whole New Level of Excitement
- Packs Full Screen Full Colour with Total 3D Realism
- Supports Windows 95 3D & 2D Graphics and Video Acceleration
- Delivers Top Class Super VGA Performance

AUZ140 **3D Blaster PCI** **$349**

Sound Blaster AWE64

Incredibly Smooth, Expressive & Realistic Audio with 64 Voices of Advanced WavEffects™ & WaveGuides Synthesis. The AWE64 offers the best combination of PC Audio hardware for musicians, power gamers, multimedia enthusiasts and Internet wizards.

Features

- High Performance, Low Noise, Advanced Wave-Table16-bit CD-Quality Record and Playback
- 512K Onboard RAM for Downloadable SoundFonts™ and 3D Positional Audio
- Professional Sound Editing and Sequencing Software Bundled
- Surf and Communicate with Sound Blaster INTERNETed™ Audio
- 100% Sound Blaster, Sound Blaster 16 and Sound Blaster AWE32™ Compatible

AUZ142 **Sound Blaster AWE64** **$259**

Sound Blaster CD Home

Combines Sound Blaster 16 Value PnP and the creative 8x, Photo-CD compatible, Multi-Session, CD-ROM drive. Includes stereo speakers and is bundled with the following software titles: Creative Multimedia Deck, Creative WaveStudio, Creative textAssist, Creative Soundo'LE, Microsoft Encarta 96, Microsoft Works, Microsoft Money, Scholastic's-The Magic School Bus Explores the Solar System, Microsoft Golf 2.0, Microsoft Wine Guide, Microsoft Fine Artist, Microsoft Julia Childs, Cooking, Microsoft Creative writer, Microsoft Home SamplerCD, Microsoft Enhanced CD Music Sampler and WebPhone.

AUZ238 **Sound Blaster CD Home** **$449**

SB/16 Starter

16-Bit, CD- quality stereo recording and playback plug and play sound card with 20-voice Stereo Music Synthesiser and Creatives' 3D Stereo Enhancement Technology. Also includes Wave Blaster II upgrade option and IDE CD-Rom drive interface. Bundled software includes Creative Multimedia Deck, Creative TextAssist, Creative Wave Studio, Creative SoundO'le, creative Web Phone, Real Audio Player, Microsoft Internet Explorer (Internet Audio Support) and Microsoft Encarta '96 Encyclopedia.

AUZ141 **Sound Blaster 16 Starter** **$149**

SB/32 Starter

32-note polyphony, wave-table synthesis Plug and Play sound card with 16-Bit, CD-quality stereo recording and playback, Creatives' 3D Stereo Enhancement Technology. Also includes an IDE CD-ROM interface and SIMM sockets for memory upgrades to allow up to 28MB of SoundFonts to be downloaded. Bundled software includes Creative Multimedia Deck, Creative TextAssist, Creative WaveStudio, Creative SoundO'le, Creative WebPhone, RealAudio Player, Microsoft Internet Explorer (Internet Audio Support) and Microsoft Encarta '96 Encyclopedia.

AUZ143 **Sound Blaster 32 Starter** **$229**

GamePad

True digital gamepad with quicker response and extended control.

The Blaster GamePad™ provides ten buttons for game control using patent-pending DigiBlast technology. The GamePad's response time is significantly faster than standard analog game controllers. Win95 Direct Input drivers and standard joystick support ensure 100% compatibility with most PC games.

Features

- 10 Hot Action Buttons
- Full Control in Head-to-Head Gaming
- Supports Windows 95 with Direct Input
- 8 Direction Controller
- Digital or Standard Joystick mode

AUZ145 **Game Pad** **$59**

Graphics Blaster MA334

The MA334 has a high performance Multimedia acceleration with true 3D, and features the latest 64-bit graphics, and with 4Mb of Rambus memory on the card, you'll be able to view those apps at higher resolutions, with no compromises in performance or quality.

AUP144 **Graphics Blaster MA334** **$269**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

MULTI-MEDIA

INTERNATIONAL

SOFTWARE WAREHOUSE

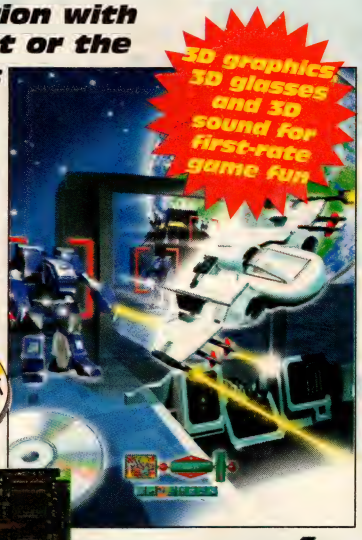
Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

miro 3D Adventure Set & 3D Games Set

Game Power and Action with the 3D Adventure Set or the 3D games from miro:

Ultra-powerful 3-D graphics for red-hot games with the miroMEDIA 3D PCI Power Board. miroMEDIA 3D fanatix 3-D glasses and– zoom– you're in the middle of the action. Now, hook up Dolby Turbosound from miroMEDIA surround and take off.This isn't a Game. Both new 3D sets from miro give you the ultimate in gaming fun at a low price! The 3D Games Set consists of the miroMEDIA 3D PCI graphics board, the miroMEDIA 3D fanatix shutter glasses and a special 3D and Dolby Pro Logic version of the action game Descent II. The 3D Adventure Set also comes with miroMEDIA Surround for real Dolby "3D sound" with only two loudspeakers.



miro

LAK100 Míro 3D Games Set..... $355

LAK102 Míro 3D Adventure Set..... $445

miroVideo DC10

Easy-to-use personal desktop video editing system for high-quality home videos.

Want to edit your birthday, vacation or wedding video or create your own multimedia clip? The miroVIDEO DC10 is the easy solution to produce your personal videos . miro's fast, plug and play installation and easy-to-use software will have you producing high quality video in minutes. miroVIDEO DC10 even analyses your system and automatically configures itself to provide the best video quality on your system.

- Complete video editing system for windows
- Digital video recording directly to the pc,s hard disk
- Add transitions, titles, and special effects to your video
- Supports S-VHS , Hi8 and VHS camcorders and VCRs
- Output your video to a TV or VCR

miro

STOCK CODE LAK101

$575

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

KTX Multimedia kit

Everything you need for work & play!

The KTX Multimedia Kit has everything you could need for getting started in the realms of multimedia software. Blast off into exciting new dimensions of sight and sound using state of the art technology from KTX which includes a multimedia CD-ROM , 16 bit sound card producing 48 kHz CD-quality sound , stereo speakers and many of the latest award winning software titles from Microsoft® which include: Microsoft Encarta®, Microsoft Works™, Microsoft Money™, Microsoft Sampler™, Microsoft Golf™ and Microsoft Dangerous Creatures™. Installation of both the hardware and software is very simple and easy-to-read instructions opens the door to a world which everyone can enjoy at work or play!

KTX124 KTX 8x Multimedia Kit..... $315

KTX123 KTX 12x Multimedia Kit..... $385

KTX Monitors

Seeing is believing!

For vibrant, true-to-life picture quality, the KTX range of monitors have all the added features you could need with low radiation levels, exceptional clarity and colour output.

KTX are designed to be user friendly and incorporate a number of features to make life simpler, whether needed professionally or at home!

Easy-to-use controls enable you to manipulate screen geometry and colour regulation at the touch of a button plus many other features are included depending on the model that you purchase. In addition, all KTX monitors comply with radiation and VESA DPMS standards.

Features

- Unlimited display colours
- Super-high resolution
- Non-interlaced display
- Green features
- User-friendly controls
- Low power usage
- Self-testing option
- Compliance with radiation and VESA DMPS standards

KTX108	KTX 14"NI 0.31dp.	$299
KTX109	KTX 14"NI 0.28dp.	$315
KTX110	KTX 15"DTI 0.28dp	$455
KTX111	KTX 15" OSDNI 0.28	
KTX112	KTX 17" OSDNI 0.28.	$869
KTX113	KTX 20" OSDNI 0.28	$1849

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

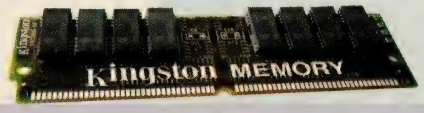
MEMORY FEATURE

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

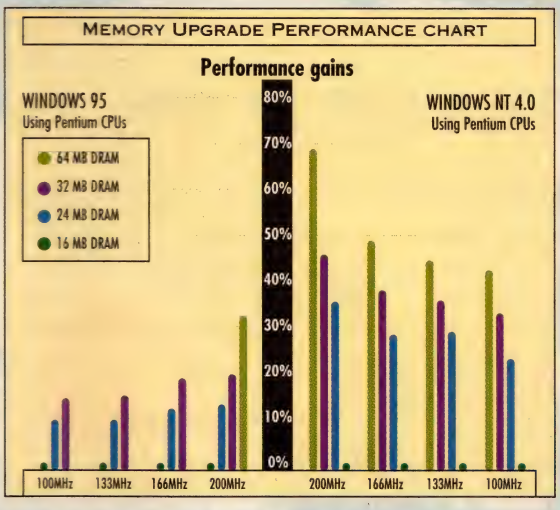
COMPUTING WITHOUT LIMITS™

KINGSTON MEMORY

Upgrading memory can improve performance and increase productivity by up to 63%.* An independent study tested the effects of memory in PCs running Windows 95 or Windows NT 4.0. In all cases, PC performance improved with the addition of memory. Test results* indicated that the average PC's Windows 95 performance increased 15-20 % when the memory was upgraded form 16MB to 32MB. Performance on the same system running Windows NT 4.0 will increase 35-45% with the same upgrade. Now is the perfect time to take advantage of low memory prices and prepare corporate wide hardware platforms for migrations to Windows NT and other high performance applications.



BUT NOT ALL MEMORY IS CREATED EQUAL.
Kingston memory is 100% tested prior to shipping and comes with free, unlimited technical support. Kingston memory is also backed by a full lifetime warranty.



KINGSTON MAKES MEMORY FOR MORE THAN 3,000 DIFFERENT SYSTEMS.

MEMORY		8MB		16MB		32MB		64MB		128 & 256MB	
Model	Computer Description	Product Code	Price	Product Code	Price	Product Code	Price	Product Code	Price	Product Code	Price
Toshiba	Portege 650 series	KTT650/8	$169	KTT650/16	$305	KTT650/32	$625	KTT650/64	$2299	KTT720/128	$4779
Toshiba	Tecra 730,740,710cdt, 730xcdt							KTT720/64	$1599		
Toshiba						KTT500/32	$589	KTT500/64	$859	KTT500/128	$4779
Toshiba	Infinia Series	KTT1NF/8	$129	KTT1NF/16	$259	KTT1INF/32	$365				
AST				KST5016/32	$549	KST5016/64	$429				
AST	Ascentia A40, A41, A42	KST-A/8	$155	KST-A/16	$299	KST-A/32	$719				
AST	Ascentia P30, P50	KST-P/8	$175	KST-P/16	$309						
AST	Bravo MS series	KST3008/8	$109	KST3008/16	$219						
AST	Bravo MS-T 6100 series	KST-GX/8	$109	KST-GX/16	$219	KST-GX/32	$399	KST-GX/64	$799		
AST	Ascentia J10, J30	KST-J/8	$165	KST-J/16	$299	KST-J/32	$575				
AST	Premmia 1x P/60	KST-0987/8	$109	KST-0987/16	$155	KST-0987/32	$399				
Compaq	Proliance 800/6/200,6/180			KTC-2254/16	$265	KTC-2254/32	$509	KTC-2254/64	$999	KTC-2254/128	$1789
IBM	Thinkpad series	KTM760-ELD/8	$135	KTM760-ELD/16	$239	KTM760-ELD/32	$789				
IBM	PC 365F 180-6589-10U,17U, PC 365F 200 6589-12U,18U			KTM-0274/16	$299	KTM-0274/32	$589	KTM-0274/64	$2169	KTM-0274/128	$4319
IBM	Aptiva series	KTM7318/8	$109	KTM7318/16	$219	KTM7318/32	$419				
IBM	PC Server 720	KTM2939/8	$169	KTM2939/16	$259	KTM2939/32	$579				
Dell	Dimension P100 Series	KTD-OPGL/8	$109	KTD-OPGL/16	$219	KTD-OPGL/32	$399	KTD-OPGL/64	$799		
Dell	Optiplex Gxpro Series			KTD-GXPRO/16	$269	KTD-GXPRO/32	$549	KTD-GXPRO/64	$1039	KTD-GXPRO/128	$3619
Dell	Dimension P133v,P166v,P200v Dimension XPS 166s, 200s	KTD-SDRAM/8	$159	KTD-SDRAM/16	$289	KTD-SDRAM/32	$539				
Dell	Latitude LM-P133ST,P100SD	KTD-LM/8	$159	KTD-LM/16	$299	KTD-LM/32	$569				
Dell	Peformance 425, me	KTD-ME/8	$149	KTD-ME/16	$299	KTD-ME/32	$459	KTD-ME/64	$919		
Dell	Latitude Series	KTD-XP/8	$149	KTD-XP/16	$289					KTC-2719/128	$3599
Dell	Proliant 2500 6/200n, 2500 6/200H, 2500R6 200H					KTC-2719/32	$579	KTC-2719/64	$1139	KTC-2719/256	$7239
Dell	Pressario 1080,1030,1070,1010,1020,1060			KTC-P1020/16	$239						
Dell	Prosignia 300 series	KTC-1691/8	$129	KTC-1691/16	$259						
Dell	Armada 4100,4110,4110d,4120,4120t,4125d,4130t	KTC-A1100/8	$129	KTC-A1100/16	$239						
Dell	Lte 5000, 5100, 5150, 5200, 5280, 5300, 5380	KTC-E5000/8	$139	KTC-E5000/16	$245	KTC-E5000/32	$469	KTC-E5000/64	$1149		
Dell	Deskpro 6000 5166/1080/CDS series	KTC-2430/8	$899	KTC-2430/16	$185	KTC-2430/32	$369	KTC-2430/64	$729		
Dell	Deskpro 4/601/4/33i,25iS,3/33i,3,25i	KTC-A4100/8	$169	KTC-A4100/16	$299	KTC-A4100/32	$559				

This is only a partial list. Kingston also supports other product families from these and other manufacturers Plus, new products are released every day. Check their web site for a complete listing:
http://www.kingston.com

Kingston® TECHNOLOGY

*Samsung contracted Laitron Computer Services, San Jose Calif., to conduct an independent benchmark study of memory in PCs running either Windows 95 or Windows NT 4.0. the Ziff-Davis Winstone 32 Benchmark standard was selected to test both operating systems.

• LIFETIME WARRANTY • 100% TESTED • 100% COMPATIBLE

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

Freephone Orderline 1 800 150 084 Order by Fax 02 9700 8801
Enquiries 02 9700 8800 Internet site software-warehouse.com.au
13 Bradford Estate
10 Bradford Street
Alexandria
Sydney NSW 2015

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Internet WorldTalk™ Phone

Save Money on Long Distance Calls!

Conduct private or conference calls via your Internet connection with the Internet WorldTalk™ Phone! Save money on your long distance calls! Using the handset, you can have private conversations as you would on a normal telephone. The speaker and microphone on the base unit allow you to use the Internet WorldTalk™ Phone as a speaker phone, or plug in your own internal speaker or microphone. The Internet WorldTalk™ Phone is compatible with most Windows 95 compatible soundcards and Internet phone software. Includes the latest version of Microsoft Internet Explorer and Net Meeting.

NRG105 Internet WorldTalk™ Phone **$79**

8x CD-ROM Drive

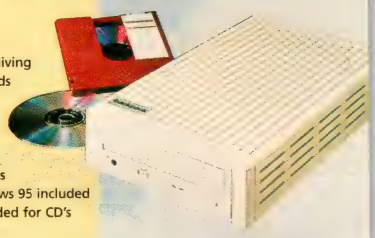
Features
- 8x high performance operation
- Automatically recognises and supports Enhanced parallel Ports (EPP) and IEEE 1284 ports
- MPC 2 compliant with EEP
- 1200 KB's maximum transfer speed
- Device driver driver for DOS, Windows and Windows 95 included
- Dos device Driver may be loaded into upper memory
- Front loading motorised tray, no caddy or cartridge needed • Access thousands of multimedia titles • Backpack products can be daisy chained
- Printer pass-through included • Supports LPT 1-LPT

High Performance Operation

NRG103 8x CD ROM **$599**

PD CD Backpack

Features
- 3 drives in one, can be used like a hard drive, backup device and CD-ROM
- Removable 650MB cartridges offer unlimited storage
- Use as a backup device for copying and archiving
- Cartridges are not sensitive to magnetic fields
- 1141KB/s maximum PD transfer speed
- 600 KB/s maximum CD transfer speed
- Maximum data security is provided by 30+ years cartridge life
- Supports high speed EPP and IEEE 1284 ports
- Device driver for DOS, Windows and Windows 95 included
- Front loading motorised tray, no caddy needed for CD's
- Backpack products can be daisy chained
- Printer pass-through included
- Supports LPT 1-LPT



NRG100 PC CD Backpack **$985**

Designer (Black) Keyboard

Features
- Small Footprint
- Enhanced 104 key layout
- Three Windows 95 keys
- Large L-shaped 'enter' key
- Patented 'Quiet' tactile response
- Lifetime Guarantee

NRG110 Designer (black) Keyboard **$99**

Touchpad Keyboard

Features
- Three Windows 95 keys
- Center bearing switch technology
- Large L-shaped 'enter' key
- Battery life of over 400 hours
- Three position signal switches
- Inaudible keystrokes
- Keys withstand over 200 million strokes
- 6 user selectable channels
- Snooze and sleep modes
- Lifetime Guarantee

Lifetime Guarantee

NRG112 Touchpad Keyboard **$239**

Cyclone 3D Joystick

Features
- 17 programmable fire buttons
- Four-way view hat switch
- 3D sweep view feature
- Rubber inlay and contoured pistol grip handle
- Durable base with rubber feet for stability
- X and Y axis trim controls
- Windows 95 driver included

New 3D Sweep View Feature

NRG120 Cyclone 3D Joystick **$129**

Magnum 6 Joystick

Features
- 6 fire buttons for left or right handed players
- Four-way view hat switch
- Rubber inlay and contoured pistol grip handle
- Durable base with rubber feet for stability
- X and Y axis trim controls
- Windows 95 driver included
- Joystick to mouse driver included

NRG121 Magnum 6 Joystick **$89**

Sabre Pro Joystick

Features
- 4 fire buttons for left or right handed players
- Four-way view hat switch
- Rubber inlay and contoured pistol grip handle
- Durable base with rubber feet for stability
- X and Y axis trim controls
- Auto fire function for rapid or single fire
- Plug & Play
- 8 foot cable

NRG122 Sabre Pro Joystick **$69**

NRG117 Dolphin Serial Mouse **$39.95**

NRG123 3D Program Pad **$99**

NRG101 PC CD Backpack (with built-in soundcard) **$1085**

NRG102 8x CD ROM (with built-in soundcard) **$849**

NRG106 web.remote Professional **$149**

NRG107 web.remote **$99**

NRG109 Classic Keyboard **$79**

NRG113 Classic Wireless Keyboard **$219**

NRG111 Trackball Keyboard **$319**

NRG115 Touchpad Wireless Keyboard **$369**

NRG118 Zycon 3 in 1 Joyrider **$199**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline **1 800 150 084**

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

INPUT

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

QuickShot®

StrikePad
Control in your hands!

NEW PRODUCT

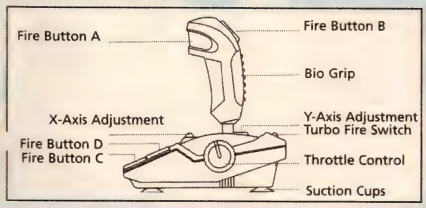
- 8-directional thumb control pad
- 6 fire buttons
- Independent turbo A&B buttons
- 4 turbo/auto mode selectors for fire buttons ABC&D
- 8-ft chord

ACT100 QS 201 Joystick **$59**

THE LETHAL SERIES

Super Warrior

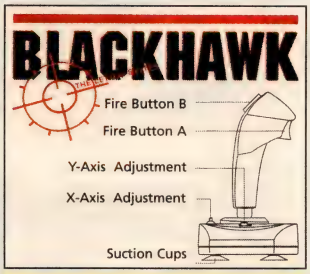
NEW PRODUCT



- Auto-centring
- 4 fire buttons
- Non-skid rubber handle pad
- High Speed turbofire capability (game dependant)
- X/Y axis adjustments
- Rotary throttle control
- 6-foot cable with 15-pin game port connector
- 4 stabilising suction cups
- Bundled with QuickShot calibration s software for Windows
- Compatible with IBM PC/XT/386/486 or 100% compatibles

ACT101 QS 6220 Joy Pad **$39**

BLACKHAWK



- IBM PC; XT, AT, 386, 486, P5 compatible
- Automatic control stick centering
- 2 fire buttons (A&B)
- X/Y axis adjustments
- 6-foot cable with 15-pin game port connector
- 4 stabilising suction cups

NEW PRODUCT

Stockcode ACT103 **$19.95**

Optimal Mouse

NEW PRODUCT

- MS mouse & PC system compatible
- IBM PC/XT/AT/286/486 compatible
- Opto-mechanical design
- Silicon rubber coated track ball
- 9-pin COM RS-232 plug
- 280-2800 DPI software programmable resolution
- High tracking speed 500mm/sec

Stockcode ACT102 **$24.95**

Multimedia Games Starter kit

Joystick (2 button)
Gamepad (2 button)
Arcade Mania CD
10 Capacity CD wallet
3 CD Jesel cases

5 in 1 bundle

NEW PRODUCT

Joystick
- 2 fire buttons
- Ergonomic design
- 6ft cable with 15-connector
- Silicon rubber coated track ball
- 4 stabilising suction cups

Jewel Cases (3 ea)
- Colourful, durable cases offer maximum protection

Arcade mania CD
- Over 100 games
- Features a easy click'n'play menu
- Easy identification

Game Pad
- 2 fire buttons
- Turbo fire selector
- 6ft cable with 15-connector

ACT106 QS Starter Kit **$49.95**

Virtual Pilot
Fly in the face of reality!

CH PRODUCTS

Virtual Pilot is a true, professional flight yoke in every way. Designed for computer pilots, it mounts easily on your desk, plugs into the joystick port of your IBM or compatible PC, then rips you out of your seat and into the air.

The next time you're making your final approach to a fog-bound runway, flying by your instruments and the seat of your pants – you'll find your reactions are quicker, your plane responds faster, and your heart pounds a little harder.

NEW PRODUCT

Perfect for flight simulations & racing games

- Super-realistic flight yoke
- Mounts easily to any desktop
- 7ft cable
- Super durable components
- Gamecard 3 automatic®
- Plugs directly into your joystick port

ACT104 Virtual pilot FM Prods..... **$249**

F-16 Combination

CH PRODUCTS

Featuring an authentic F-16 "Falcon" jet stick grip, the F-16 Combatstick is an advanced F-16 stick suitable for both novice and advanced gamers. Used as a stand alone peripheral, it provides gamers with 14 functions with it's 2 four-way switches, 5 fire buttons, trigger, rotary throttle, and trim controls. It's ideal for use with today's flight simulators, space combat, robot and other games.

Any software that supports the Flightdeck Pro already supports the first eight buttons of the Combatstick. The remaining six buttons require direct support from the game. The F-16 Combatstick is designed to work in conjunction with our Pro Throttle or CH Throttle to gain access to 34 programmable functions – 14 from the joystick and 20 from the throttle.

NEW PRODUCT

- 34 Programmable functions when used with CH Pro Throttle
- 14 functions as standard
- Realistic F-16 jet grip
- 7ft cable
- 5 fire buttons
- 3yr warranty

ACT105 F16 Combat Joystick **$199.95**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

Price Pledge — We will beat any advertised price on any identical product. Subject to terms & conditions P.1.

Free Gift — With every order choose a free gift from the selection on page 2.

Fast Delivery — Order before 11am for same-day delivery (Sydney only), or before 5pm for next-day delivery, see p. 2.

Free Delivery! — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.

Nationwide Delivery — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.

Massive Stocks — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.

All Welcome! — We always service the individual buyer, small business and large corporation to the same high standard.

No.1 Service — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

Freephone Orderline 1 800 150 084 Order by fax 02 9700 8801
Enquiries 02 9700 8800 Internet site software-warehouse.com.au
13 Bradford Estate
10 Bradford Street
Alexandria
Sydney NSW 2015

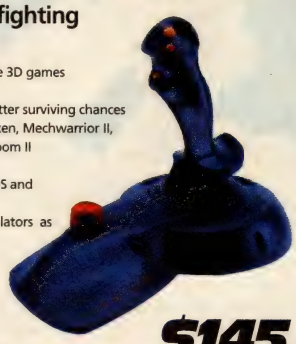
INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Logitech Wingman Warrior

The ultimate 2-fisted precision fighting machine.

- Best joystick for playing in first-person Hexen-style 3D games
- Unique 2-handed directional and speed control
- Increased precision and faster, easier play with better surviving chances
- Including CD-ROM with the following games: Hexen, Mechwarrior II, Ultimate Doom, Rise of the Triad, Dark Forces, Doom II
- Solid, comfortable grip and heavy steel base
- Functions in both digital and analog modes in DOS and Windows 95 environments
- Backwards compatible with all flight and car simulators as well as other games that support a joystick
- 1 year guarantee and hotline support



AUZ149 Logitech WingMan Warrior..... **$145**

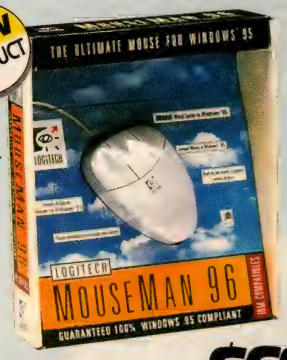
Logitech MouseMan 96

The ultimate mouse for Windows 95.

NEW PRODUCT

Mouseman 96 is designed to help you work better in Windows 95. It's guaranteed 100% compliant with your Windows 95 applications and offers the ease of Plug and Play installation. It also makes it easier to work with Windows 3.1 and DOS, and is built by Logitech, the world's leading maker of mice.

Work faster and easier with three buttons. In Windows 95, the middle button automatically defaults to the convenient Hyperjump feature. If you prefer, you can assign another command to this button with the Mouse Control Centre.



AUZ150 Logitech MouseMan 96..... **$69**

AUP154 Logitech MouseMan 96 Cordless **$89**

Kodak DC25 Digital Camera

The DC25 is a fully feat model that combines point-and-shoot simplicity with great looking pictures. It holds up to 14 or 29 pictures in built-in memory, depending on the resolution. It features an automatic flash, an optical viewfinder for traditional picture taking and a colour LCD for instant review. The DC25 accepts an optical, compact 2Mb KODAK picture card to make storage easy. Features: Zoom lens - automatically focuses, from 0.5m to infinity. The flash offers 3 modes: automatic, on or off. Automatic exposure, 2Mb internal memory with 493 x 373 high res. capability, 24 bit colour pictures.

STOCK CODE: KOD005

$735

Kodak DC50 Digital Camera

Who else but Kodak could offer all these features at such a remarkable low price:
Zoom Lens - The DC50 zoom camera's precision lens has 3:1 zoom capability that gives you a focal length of up to 37mm. The flash offers three modes: automatic, on or off. Up to a 14' range. The slide cover doubles as your power switch, open it and the camera is ready to take pictures. The zooming optical viewfinder gives you an accurate view of the object your shooting. **Internal memory** - store up to 22 "good", 11 "better" and 7 "best" quality pictures for up to 1 year. **Multi-AF Photometric Window** - The DC50 zoom camera automatically focuses from 0.7 m to infinity in normal mode, from 0.5 m to infinity in Macro. In automatic mode, the light sensor measures the amount of light needed for the flash. The **Zoom Button** zooms from 37mm to 111mm to frame the scene you want without having to change lenses.
Connect via a Serial Port or PCMCIA Card - Connect your DC50 zoom camera to your PC or Macintosh computer with the serial cable and software supplied.The DC50 zoom camera also features **optional removable memory**, making your PCMCIA card your digital "roll of film." A 4MB card can hold from 28 to 88 images depending on the resolution quality you select for the pictures you're taking.

AUP120 DC-50 PCMCIA Card **$385**

Stock code: KOD003

$1299

Kodak DC40

STOCK CODE: KOD006

The DC40 has a **precision focus-free lens** which captures images from 4-feet to infinity. The 37mm screw lens mount accepts close-up, wide-angle, and telephoto lenses, which are available separately. The **built-in flash** has an 8-foot range and works in three modes, automatic, on or off. By measuring the amount of illumination in the scene, **light sensors** allow the camera to adjust shutter speed and lens aperture for correct exposure. It features a **serial port** for connecting the KODAK DIGITAL SCIENCE DC40 camera to your PC or Macintosh computer. **Power adaptor socket** - You can use a surge-protected power adaptor (sold separately) to save batteries or when downloading pictures to your computer.

$1109

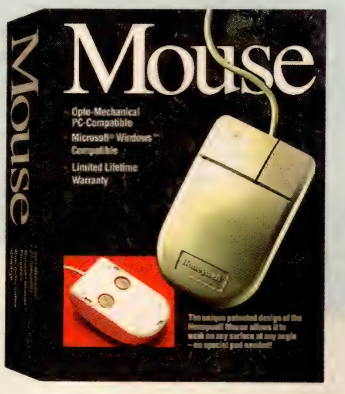
Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Honeywell Mouse

Work on any surface at any angle - no special pad needed! - with the unique patented designed Honeywell Mouse.

The Honeywell Mouse patented design replaces the conventional ball mechanism with two "feet". This new technology eliminates problems inherent in other mice. A ball mouse can make your cursor hop, skip and jump across the screen - the new Honeywell mouse makes your cursor go precisely where you want it - when you want it - forever!
A ball mouse or an optical mouse needs a special pad to work best - the Honeywell mouse works perfectly on any surface - at any angle - even upside down. And since there's not a ball to pick up dust and dirt which can contaminate the inside, it's more reliable and you never have to clean it.



AUZ154 Honeywell Mouse PS/2.....
AUZ153 Honeywell Mouse Serial..... **$69.95**

Honeywell 104WN Keyboard

The keyboard designed to meet the needs of the occasional and professional user

The Honeywell 104WN is the same keyboard specified by major personal computer manufacturers worldwide with the familiar enhanced 104 key array and featuring the large ENTER key preferred by many serious computer users. The 104WN keyboard also features Honeywell's proven silent-tactile key module which provides quiet operation and positive feel. The keyboard has a convenient 2 metre cable with a standard DIN connector. The enclosure is in a driftwood colour, compatible with most contemporary computers.

101WN Keyboard Features

- Enhanced 104 Key Array with Large ENTER Key
- Compatible with IBM, XT, AT, and PS/2 (PS/2 adaptor included)
- Operator-preferred Silent-Tactile Feel
- Small Footprint & Sleek Profile
- Status LEDs for CAPS, NUM and SCROLL LOCK
- Proven Membrane Switch Construction
- 3-Year Limited Warranty
- UL recognised and CSA certified
- FCC Class B certified

STOCK CODE: AUZ152

$89.95

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

SCANNERS

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

PhotoSuite V8.0 - The easiest way to edit, capture, catalogue & transform your photos!

Bonus FREE Multimedia library!

Improve Photo Quality
You can eliminate red eye, crop out unwanted elements, change brightness and contrast, adjust colour saturation and improve the quality of your photos.

Photo Business Presentations
MGI PhotoSuite's drag & drop technology makes it easy to add powerful images, sound effects, animation and video to popular business applications like Microsoft PowerPoint, Microsoft Word and more!

Wedding Photo Tools
The perfect tool for your wedding. Create thank you cards, glamour effects, wedding albums and more!

Special Effects
Transform your photos using one of over 30 special effects including: glamour, emboss, mirage, swirl, mosaic, splatter, reverse, blur, relief, sharpen, crystallize and more!

Photo Image Editing
An extensive toolkit for photo editing, drawing, and painting. Includes: pen, paintbrush, airbrush eraser, cloning tool, colour picker, paint roller and more!

BONUS Multimedia Library
Bonus multimedia library included with hundreds of professional colour photographs, sound effects, music files and animation clips for you to choose from.

FREE Photo Lens Kit!
The MGI Photo Lens Software Kit offers simplicity and power to inspire and enhance your creative abilities, producing stunning professional results. Lens effects include: glamour, fog, smoked glass, sepia, moonlight, tan and more.

Photo File Conversion
Change photo resolutions and file formats... (Floppy Shots, Kodak CD, Kodak Picture Disk, JPEG, GIF, TIF, BMP and more!

Screen Capture
Use the screen capture function to grab images from the Internet or CD-ROM encyclopedias like Microsoft Encarta to create A+ school projects or winning business presentations.

Internet Helper
MGI PhotoSuite is an ideal Internet browser/photo viewer. It can also convert photos to Internet formats (JPEG, GIF), catalogue entire internet pages and capture photos and images from the Internet.

Multimedia Slide Show
Create your own multimedia slide shows for family, friends and business presentations.

Photo Organiser
MGI PhotoSuite's catalogue function lets you instantly organise all your photographs, clip art, graphics, sound and video clips with the click of a mouse. Catalogue your entire hard disk, CD-ROM or Internet page in just minutes!

mgi PhotoSuite
Version 8.0
The Easiest Way to Edit, Capture, Catalog and Transform Your Photos!
BONUS! Free Multimedia Library

MGI PhotoSuite V8.0 Features
- Photo Editing & Effects
- Photo Lens Kit
- Image Capture
- Photo Slide Show
- Internet Helper
- Photo Album and Catalogue

mgi IMAGINE

STOCK CODE: AUS104

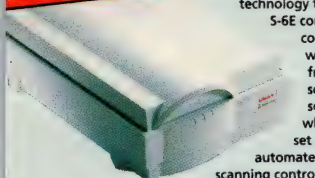
$89.95

UMAX S-6E colour scanner

The affordable high speed colour flatbed scanner with quality built in.

Amazing Value!

The UMAX S-6E has been designed to be easy to use by both professional and novice users in the DTP, graphic design, document management and OCR fields. By using microstepping motor technology the UMAX S-6E comes complete with user-friendly scanning software, which can be set to automate the scanning controls to a single process. The UMAX S-6E also comes with MagicMatch, an automatic colour management program, for consistent colours from scanner to display to printer.



Features
- Optical Resolution: 300 x 600 dpi
- Maximum Resolution: 4800 dpi
- 30 bit data sampling
- Single pass, colour CCD
- Parallel image processing for fast scanning speeds

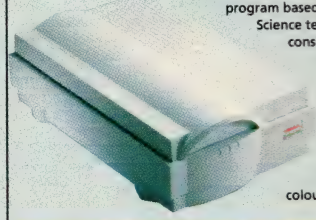
VIS067 UMAX S-6E Colour Scanner **$649**

UMAX S-12 colour scanner

A high resolution scanner that can help you create powerful presentations and reports.

The UMAX S-12 colour scanner is possibly the easiest scanner you'll ever use. With VistaScan automated scanner control software you don't have to be an expert to get good quality scans, just place your image on the scanner and in one simple step it's in your computer and ready to go. High quality is assured with automatic gamma correction which provides the equivalent of 33-bit scanning - and all at super quick speed.

The UMAX S-12 also comes with MagicMatch, an automatic colour management program based on Kodak Digital Science technology, for consistent colours from scanner to display to printer. To achieve this, MagicMatch contains profiles not only for the scanner and monitor but also for today's popular colour ink-jet printers.



Features
- Optical Res: 600x1200dpi
- Maximum Resolution 9800 dpi
- 33 bit equivalent data capture through Analog Gamma Correction
- Parallel Image Processing for fast scanning speed
- Single pass, colour CCD
- Includes VistaScan, the user friendly scanner interface
- Includes MagicMatch colour management system
- Includes Presto!PageManager software that integrates filing, OCR, faxing, printing and e-mail functions

VIS040 UMAX S-12E Colour Scanner..... **$1395**

UMAX PageOffice

Total solution with PageManager software for FAST automatic input of office documents into your computer.

PageOffice with Page Manager is the way to bridge the gap between piles of paper accumulating on your desk, and your computer. A push button solution, multi function PageOffice lets you work faster and more efficiently. It's like having 3 or 4 office machines in one very versatile machine. The PageOffice/PageManager combination is feature rich and performs many important functions - including scanning, electronic mail, faxing, printing, OCR translations, image editing, forms management, document joining, and much more.

PC MAGAZINE EDITORS' CHOICE

Features
- Optical Resolution 300dpi
- Maximum document size: 406 x 216
- Minimum document size: 90 x 50
- Scanner speed: 10 pages per minute

AUP155 UMAX PageOffice Colour..... **$429**

AUP156 UMAX PageOffice Gscale..... **$399**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

SCANNERS

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Microtek E3

Add exciting colour images to your computer

The Microtek E3 offers a solution for home users and small businesses who want a quality product bundled with quality software. ScanWizard is supplied with each Microtek E3 scanner and integrates seamlessly with most popular software packages supporting the TWAIN standard. ScanWizard gives you almost complete control over your Microtek scanner and the way you want your images to be scanned.

BEST value soho scanner!

Image Editing Software
The industry standard image editing software lets you enhance or add special effects to your scanned images in colour, greyscale or black and white. You can add text within an image, remove cracks from old pictures, change colours or combine images.

OCR Software
Optical Character Recognition software saves you retyping by automatically converting printed text into a word-processor format which can then be edited as you like.

Transparency Option
Microteks Transparent Media Adaptor (TMA) lets you scan 35mm slides and photographic transparencies up to 8x10". It's very easy to install and simply replaces the scanners lid.

Scan/Copy Utility
Quick-panel comes with all Microtek scanners and lets you scan directly to your existing printer, fax card or disk file. For Windows 3.11/95 only.

Automatic Document Feeder
The Microtek ADF-600L option allows for unattended scanning of 10 pages in line-art mode for use with an O.C.R. or document imaging software. It simply replaces the scanners normal lid.

Features and Benefits

- 4,800 dpi maximum resolution
- 180,000 dots measured per square inch
- Fast single pass scanning
- Scans true colour, greyscale and line art
- Built-in SCSI interface
- Standard Adaptec SCSI card (for PC) lets you connect devices
- ScanWizard TWAIN software
- Bundled with OCR and top quality image editing software
- Transparency option
- Document feeder option

PRO500 Microtek V3 ..... $475
PRO501 Microtek E3 ..... $475

Microtek E6

The new standard for affordable high quality scanning

The new Microtek E6 offers everything you could ask for in a high resolution scanner: true colour and greyscale, ease of use and the very best software for PC or Mac. ScanWizard is supplied with each Microtek E6 scanner and integrates seamlessly with most popular software packages supporting the TWAIN standard. ScanWizard gives you almost complete control over your Microtek scanner and the way you want your images to be scanned.

EASY TO USE!

Image Editing Software
The industry standard image editing software lets you enhance or add special effects to your scanned images in colour, greyscale or black and white. You can add text within an image, remove cracks from old pictures, change colours or combine images.

OCR Software
Optical Character Recognition software saves you retyping by automatically converting printed text into a word-processor format which can then be edited as you like.

Transparency Option
Microteks Transparent Media Adaptor (TMA) lets you scan 35mm slides and photographic transparencies up to 8x10". It's very easy to install and simply replaces the scanners lid.

Scan/Copy Utility
Quick-panel comes with all Microtek scanners and lets you scan directly to your existing printer, fax card or disk file. For Windows 3.11/95 only.

Automatic Document Feeder
The Microtek ADF-600L option allows for unattended scanning of 10 pages in line-art mode for use with an O.C.R. or document imaging software. It simply replaces the scanners normal lid.

Features and Benefits

- 9,600 dpi maximum resolution
- 720,000 dots measured per square inch
- Fast single pass scanning
- Scans true colour, greyscale and line art
- Built-in SCSI interface
- Standard Adaptec SCSI card (for PC) lets you connect devices
- ScanWizard TWAIN software
- Bundled with OCR and top quality image editing software
- Transparency option
- Document feeder option

PRO502 Microtek E6 ..... $1019

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Microtek 35T Plus

High-speed, High-resolution Slide Scanner

The Microtek 35T Plus is equipped with a transparency option which will give you very good results on medium(60mm) and larger format (5x4" and 8x10") transparencies. For screen display, the 35T Plus delivers a a sharper and clearer image than a flatbed. this results from the absence of glass and mirrors: the slide is suspended between the light source and the lens. ScanWizard is supplied with each Microtek E6 scanner and integrates seamlessly with most popular software packages supporting the TWAIN standard. ScanWizard gives you almost complete control over your Microtek scanner and the way you want your images to be scanned.

30 BIT COLOUR

Automatic Colour Correction
An IT8 colour calibration slide and Microteks Dynamic Colour Rendition software are included to automatically calibrate your scanner.

Insert 35mm slides straight in. No need to remove the mount!

Insert standard film strips without having to cut them !

How much enlargement?
The 35T Plus scanner offers enough resolution for the vast majority of slide scanning. For example, a 35mm slide can be scanned and output to full page magazine quality.

Features and Benefits

- Pre-press quality from 35mm slides
- 7,605,000 dots measured per square inch
- Fast single pass scanning
- Scans true colour and greyscale
- Optimised for 35mm film scanning
- Scans negatives or positives from mounted slides or film strips
- ScanWizard scanning software
- Automatic colour calibration
- Can be daisy-chained with a Microtek flatbed scanner

PRO504 Microtek 35T Plus $1235

Microtek ScanMaker3

ScanMaker3

The Best Quality Flatbed Scanner

ScanWizard is supplied with each Microtek ScanMaker3 scanner and integrates seamlessly with most popular software packages supporting the TWAIN standard. ScanWizard gives you almost complete control over your Microtek scanner and the way you want your images to be scanned.

Image Editing Software
The industry standard image editing software lets you enhance or add special effects to your scanned images in colour, greyscale or black and white. You can add text within an image, remove cracks from old pictures, change colours or combine images.

OCR Software
Optical Character Recognition software saves you retyping by automatically converting printed text into a word-processor format which can then be edited as you like.

Transparency Option
Microteks Transparent Media Adaptor (TMA) lets you scan 35mm slides and photographic transparencies up to 8x10". It's very easy to install and simply replaces the scanners lid.

Scan/Copy Utility
Quick-panel comes with all Microtek scanners and lets you scan directly to your existing printer, fax card or disk file. For Windows 3.11/95 only.

Automatic Document Feeder
The Microtek ADF-600L option allows for unattended scanning of 10 pages in line-art mode for use with an O.C.R. or document imaging software. It simply replaces the scanners normal lid.

Features and Benefits

- 36 Bit Colour (1 pass)
- 1,200 x 600 DPI Optical
- 9,600 DPI Interpolated
- A4+ Size (8.3x14")
- Best Optical Quality
- Includes Free Fractal PAINTER 4.0
- Includes Adaptec 1502 SCSI card
- Automatic colour calibration
- Can be daisy-chained with a Microtek flatbed scanner

PRO503 Microtek 35T Plus $2599

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

SCANNERS

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

PageScan Colour

Personal document manager with flatbed versatility

This powerful scanner transforms your papers, photos and printed materials into useful electronic information. It's easy to scan originals from small business cards up to legal size pages. PageScan colour places colour or black and white pictures and line art directly into documents, automatically re-types text from printed pages, files information, turns your printer into a copy machine, and faxes paper-based documents using your computer fax modem. PageScan colour gives you the power of a complete office, and takes up less desk space than a piece of paper.

PageScan Colour Advantages

- Installs without opening your computer
- Scans single pages and bound material
- Always ready to use
- Provides one-click document management
- Enhances printer output
- Re-types scanned text directly into applications
- Works with your printer to give you complete copying ability
- Scans directly into Windows applications
- Captures true colours (16.8 million)
- Offers high speed scanning

PageScan Colour includes:

- PageScan Image Editor
- Xerox TextBridge OCR for Logitech
- Xerox PerfectScan Technology
- PaperMaster SE by Documagix
- PageScan Colour Scanner
- Power Supply
- Pass-through parallel port adaptor
- Documentation

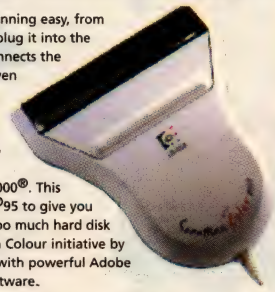
AUP174 Logitech PageScan Colour Pro **$559**

AUP175 Logitech PageScan Colour **$359**

ScanMan Colour 2000

Create a world of great projects - quick and easily

ScanMan Colour 2000® is designed to make scanning easy, from installation to completed scans. ScanMan Just plug it into the PC's parallel port. Our pass through adaptor connects the scanner and the printer to the same port. It's even easy to move this scanner between PCs. Engineered for straight scanning, ScanMan Colour 2000 has wheels that glide down the page and the StraightScan feature for lining up your scan.



Unleash your creativity with ScanMan Colour 2000®. This compact scanner takes advantage of Windows®95 to give you great, high-quality results, without taking up too much hard disk space. It continues the award winning ScanMan Colour initiative by combining 24-bit, 16.8 million colour scanning with powerful Adobe PhotoDeluxe™ and Xerox® TextBridge OCR software.

Scan photos and images, in full colour, grey scale. or black and white line art. Get great results with optical resolution up to 400 x 800 dpi or software enhance resolution up to 1600 dpi. Includes Adobe PhotoDeluxe™, get the power of PhotoShop with an easy-to-use interface. PhotoDeluxe™, with a variety of filters. Scan text and Xerox TextBridge Optical Recognition software instantly enter s the text onto your open file. TextBridge gives you a powerful, complete OCR package thats also convenient. Reads text with state-of-the-art accuracy and speed. Allows you to add the whole scanned area or select the portion you want.

ScanMan Colour includes:

- Adobe PhotoDeluxe®
- Xerox TextBridge OCR for Logitech
- Power Supply
- 1 year warranty
- Documentation

LOG500 Logitech ScanMan 2000 ..... **$199**

OmniPage Pro Version 7.0 FOR WINDOWS 95

OCR Software

Never re-type another document

PC MAGAZINE EDITORS' CHOICE

The world's leading Optical Character Recognition (OCR) software, accurately and easily converts paper documents and images into editable text for use in your favourite applications. OmniPage Pro for Windows 95 version 7.0 combines Caere's advanced OCR technology with the easy usability of Windows 95 application. It's the most accurate OCR software for Windows 95 you can buy.More accuracy means less work with advanced OCR technology and features like Language Analyst® and interactive check recognition, OmniPage Pro gives you great results even on degraded documents, our AutoOCR Toolbar™ guides you through the OCR process and lets you recognise text with a single click.

- Improved OCR technology
- Designed for Windows 95
- Microsoft Office compatible
- OCR aware with Windows 95 applications
- OLE 2.0 support
- Integrates with most image editors
- Exchange Fax support
- Thumbnail viewer
- OCR Wizard
- HTML output
- Easy access OCR
- Right click short-cut OCR
- E-mail support
- AutoOCR toolbar
- TruePage technology
- WYS/WYG text editor
- Context Sensitive Help/HoverHelp/ToolTips
- Interactive check recognition
- OCR training
- Schedule OCR
- 3D OCR
- Language Analyst
- Hewlett-Packard Accupage 2.0
- AnyFax technology
- 40+ supported file formats
- Foreign language support

OMN007 OmniPage Pro 7 Win 95/NT **$949**

OMN009 OmniPage Pro 7 Win 95/NT UPG/XGR **$349**

OMN005 OmniPage Pro 6 Win 3.x **$849**

OMN006 OmniPage Pro 6 Win 3.x Upgrade **$299**

OmniForm

OmniForm

The easy way to make your forms electronic

Tired of filling out forms by hand or searching for a typewriter? OmniForm turns your paper forms into electronic ones so you can fill them out right on your computer. Just scan or fax forms onto your computer, or use the easy, custom toolset to design your own forms, complete with fonts, graphics and logos.

OmniForm is an exceptionally straightforward and easy package to use – PC Magazine

Your existing paper form
Scan, fax or image files
Your form, now electronic
The easy way to make your forms electronic.
omniFORM

With OmniForm it's that simple. Completing and processing forms is easy too – just tab and type! OmniForm performs calculations, validates entries, creates a data base and stores everything – automatically. So you can search, sort, import and export information to popular databases.

- Form Assistant™
- Calculations – automated filling process
- Print/Fax/Mail support
- Complete forms designing
- Multiple Page form design
- Import/Export formats; Access, dBase, Paradox and text
- Spell checker
- OLE 2 Support
- Search and sort
- Fast Filling

OMN010 OmniForm **$469**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 lines in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

INTERNATIONAL SOFTWARE WAREHOUSE

Freephone Orderline 1 800 150 084 **Order by Fax 02 9700 8801** 13 Bradford Estate 10 Bradford Street Alexandria Sydney NSW 2015
Enquiries 02 9700 8800 **Internet site** software-warehouse.com.au

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

KTX V-scan 4800 & 9600 series

KTX scanning technology offers a complete package that is high in performance for every publishing, pre-press or document processing need!

The V-Scan 4800 offers 24 bit-per-pixel true colour scans, which captures 16.78 colours instantly. With high colour saturation and distinctiveness of picture you get an all round better visual perspective of scanned images. Where as the 9600 single Pass scanner captures the whole spectrum of colour by scanning images in 30-bit colour, capturing up to 1 billion different colours. The resolution is different for each scanner depending on what you need. Up to 4800 x 4800 dots per inch can be obtained on the KTX V-Scan 4800 for all photograph, artwork and text needs. Also for the KTX V-Scan 9600 a resolution of up to 9600dpi can be obtained through the use of software. Both of the KTX scanners also offer TWAIN compliance which allows users to scan directly into software packages that are also TWAIN compliant.

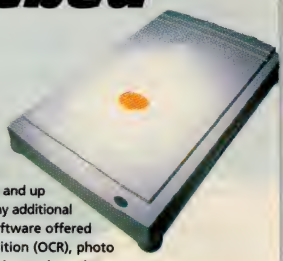
Features

- Full colour 24 bit-per-pixel with 16.78 million colours
- KTX V-Scan 9600 - 30 bit-per-pixel with 1 billion colours
- KTX V-Scan 4800 -1200 x 2400 dpi (Max. 4800 x 4800 Interpolated)
- KTX V-Scan 9600 -1200 x 1200 dpi (Max. 9600 x 9600 Interpolated)
- True grayscale 8-bit, 256 gray-scale scanning
- Binary 1-bit, line-art/halftone mode
- 12 built-in halftone patterns
- 32 built-in gamma corrections
- Maximum document size 21.6 x 35.6 cm (8.5 x 14" legal size)
- An amazing scanning speed of 3.6 msec per line
- TWAIN compliant

KTX116 **KTX V-Scan 4800 24bit Flatbed Scanner & W/OCR & Photo impac .. $469**

KTX117 **KTX V-Scan 9600 24bit Flatbed Scanner & W/OCR & Photo impac .. $639**

Plustek OpticPro 4800P Flatbed Scanner



The OpticPro 4800P colour Flatbed scanner is a feature packed product at a very affordable price.

Not only does it share the specifications of many high-end scanners-such as single pass scanning, a cold-cathode lamp and up to 4800dpi resolution- it also installs in minutes without any additional hardware or tools. Add to that a unique collection of software offered only by Plustek! Software for Optical Character Recognition (OCR), photo editing and multifunction document processing like faxing and copying.

Features

- Fax sending Facility with Microsoft Windows™ and your fax software
- Use your Windows-compatible printer with the OpticPro 4800P as a copymachine
- Scan printed documents up to letter/A4 size
- Included OCR software to convert printed pages into word processing documents
- With the image filing software you can store and retrieve important papers
- One-Touch Activation-ready to fax, copy or OCR
- Full 24-bit colour depth, nearly 17 million colours and can scan in 256 level grayscale or B/W
- 600dpi resolution, or up to 4800dpi with software interpolation
- Long-life scanning lamp
- Detects all colours in a single pass
- Avoid interface cards, connect to your parallel port, plug in and just start scanning
- No jumpers to change or fumble with and no tools required for installation
- Scanning area of 216x297mm (WxL), 8.5x11
- Colour: 33 seconds per A4 colour page, Grey scale: 11 seconds per A4 colour page, Black and White: 11 seconds per A4 colour page

AUP176 **Plustek OpticPro 4800P Flatbed Scanner $429**

Lexmark Colour Jetprinters

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

2050 Colour Jetprinter

Is it possible to find a printer that combines inkjet affordability with laser quality performance? Congratulations - you just have!

Whether you need to print crisp black text correspondence, high impact colour presentation materials, or your child's latest masterpiece, the 2050 is made to handle your most demanding printing needs. And do it at an efficient 1-to-5 ppm with 600x600 dpi (edge sharpness) in both black and colour. This one makes it all so simple. With easy plug-and-play setup, interactive print screens, audio/visual printing cues, and dual cartridges for colour and true black. It works with Windows 95, 3.1 and 3.11. And to make the package even better, every 2050 comes with Lexmark's exclusive Workshop™ CD-ROM software, colour and Super Sharp Waterproof Black print cartridges.

Let your imagination run wild! You can design your own greetings cards, labels and certificates, manipulate images from Photo CDs or downloaded from the Internet - even create your own comic books with just a click of your mouse. This completely versatile printer can handle index cards, envelopes, transparencies, iron-on T-shirt transfer sheets, heavy card stock, legal size and European A4 and B5 sizes.

- 1-5 PPM in black and white and colour
- Win 3.1, 3.11 & Win 95 compatible
- 600x600 dpi
- Free Workshop™ CD-ROM Software

NEW PRODUCT

MICROSOFT® WINDOWS® COMPATIBLE

STOCK CODE: LEX101

LEXMARK

$509

2030 Colour Jetprinter

The only thing about this printer that's modest is its price!

Great functionality can now be had for a relative song. Designed to be used in a stand alone business or home workstation environment, the 2030 can do just about anything you could ask a printer to do. It provides vivid colours and crisp black text at 600x300 dpi maximum print resolution and can handle a wide variety of papers and sizes.

Want to print greetings cards, index cards, labels, transparencies, and envelopes? With the 2030 its a breeze. Designed for Windows 3.1 or higher, with automatic or manual feed, this printer is remarkably easy to set up and use. For on thing, it provides on-screen or verbal feedback of printing status. Plus, its power consumption is so low you can leave it on permanently - so you're always ready to print! Low cost, low power consumption, great performance. And with Workshop CD-ROM software, who could ask for anything more?

- Automatic or manual feed
- Win 3.1 or higher compatibility
- 600x300 dpi
- Free Workshop™ CD-ROM Software

NEW PRODUCT

MICROSOFT® WINDOWS® COMPATIBLE

STOCK CODE: LEX100

LEXMARK

$409

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday
VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

PRINTERS

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

HP LaserJet 5L

Convenient Quality

Amazing Discount!

The Hewlett-Packard LaserJet 5L gives out-standing laser print quality at an affordable price. It is a complete, easy to use and convenient printing solution, the perfect replacement for the HP LaserJet 4L.

- Up to 4ppm
- 1Mb Memory
- 26 Scalable Fonts
- Up to 600 x 600dpi Print Quality

HEWLETT PACKARD

HWP007 HP LaserJet 5L **$699**

HP DeskJet 400

HEWLETT PACKARD

Small footprint, small price tag, big performance.

The HP DeskJet 400 printer provides high-quality colour printing , yet takes up little desk space, operates quietly, and is ready to print vibrant, full colour from the first time you turn it on.
The included Colour Kit with snap-in ink cartridges gives you the versatility you need to produce both classic black and white documents and colourful marketing pieces. And exclusive HP ColorSmart technology makes adjusting colour for the greatest impact a breeze. With the HP DeskJet 400 printer's graphical user interface and on-line help, you'll be printing exciting, professional-quality documents in no time at all.

Features

- Snap-in Colour Kit allows printing of full-colour materials
- Exclusive HP ColorSmart eliminates guesswork for vibrant colour at the touch of a button
- Prints up to 16.7 million colours
- Simple three-button front panel and intuitive on-line help with graphical user interface
- Compact design includes paper tray that folds up neatly when not used
- Automatic 50-page sheet feeding
- Up to 3ppm in black for fast, high-quality printing

HWP153 HP DeskJet 400C **$275**

HP DeskJet 690C

Auto colour adjust

Versatile printer with breakthrough photo-quality colour!

The HP DeskJet 690C printer can create rich black and dazzling colour printed pieces from your home or office. Banners, labels, stickers, personalised cards and invitations. Even iron-on transfers. The HP RealLife System ensures true-to-life images. Outstanding print quality with brilliant colours and sharp, crisp blacks. You also get effortless results with HP ColorSmart – it automatically adjusts settings for perfect colour every time.

HEWLETT PACKARD HWP089 HP DeskJet 690C **$430**

HP ScanJet 5P

HEWLETT PACKARD

Adobe Photoshop 4.0 with HP ScanJet 5P

The HP ScanJet 5p colour/greyscale desktop scanner is a compact office tool that will instantly help you enhance your communications.

Just push the button, and the HP ScanJet 5p lets you add photos, text and line art to your business and personal communications. There's no need to worry about settings; the HP scanJet 5p software automatically selects optimal settings for you.

HWP120 HP ScanJet 5P + ISA Interface **$549**

HWP166 HP ScanJet 5P + ISA Interface with Adobe PhotoShop 4.0 Win **$710**

Always clear - always sharp!

For the result you can trust!

HEWLETT PACKARD

HP Paper

Paper & Transparencies for DeskJet, Deskwriter & PaintJet XL300

AUC100 HP Premium Transparency film A4 (50 sheets) **$84.95**
AUC101 HP Premium Transparency film A4 (20 sheets) **$34.95**
AUC102 HP Premium Glossy A4 Paper (10 sheets) **$19.95**
AUC103 HP Premium Glossy A4 Paper (50 sheets) **$74.95**
AUC104 Bright white Inkjet Paper (5 x A4 reams) **$109.95**
AUC105 HP Premium Paper A4 (200 sheets) **$34.95**
AUC106 Photo Paper A4 20 sheet pack (DJ 690 only) **$19.95**
AUC107 Banner Paper A4 100 sheet pack (DJ 690 only) **$19.95**
AUC108 HP Photo Starter Kit for DJ 690C **$99.95**
AUC109 HP Greeting Card Paper **$20.95**

HP Ink

Ink Cartridges - DeskJets

AUC110 High-Capacity Black Ink, DJ400/500 series & OfficeJet **$39.95**
AUC111 Tri-Chamber Colour Ink, 300/400/500 Series **$44.95**
AUC112 Black Ink, DJ/DW600 Series **$39.95**
AUC113 Tri-Chamber Colour Ink, DJ/DW600 Series **$44.95**
AUC114 Colour Inkjet Photo Cartridge (DJ 690 only) **$49.95**
AUC115 Colour U/G Kit, DJ/DW 600 ..... **$64.95**
AUC116 HP Photo Colour Kit for DJ 690C **$79.95**
AUC117 Black Ink, DJ300/Portable Series **$34.95**
AUC118 Black Ink, DJ1200 Series, CopyJet & DesignJet 2xx, 3xx & 650 ..... **$39.95**
AUC119 Cyan Ink, DJ1200/1600 Series & CopyJet **$44.95**
AUC120 Mag Ink, DJ1200/1600 Series & CopyJet **$44.95**
AUC121 Yellow Ink, DJ1200/1600 Series & CopyJet **$44.95**
AUC122 Black Ink, DJ 800, DJ1600 & DesignJet 700 Series **$44.95**
AUC123 Tri-Chamber Colour DJ800 Series **$45.95**

HP Toner

AUC124 Microfine Toner LJ.4ML4P & 4MP(EP-P) **$109.95**
AUC125 Microfine Toner Cartridge LJ 5L (EP-A) **$99.95**
AUC126 Microfine Toner LaserJet 5P, 5MP, 6P & 6MP **$129.95**
AUC127 Black Toner LJ IIP, IIIP & IIIP Plus (EP-L) **$129.95**
AUC128 Black Toner LJ, LJ Plus & LJ 500 (EP) **$179.95**
AUC129 Box of Toner, LJ2000 ..... **$149.95**
AUC130 Microfine Toner JIIISi, 4Si & 4SiMX (EP-N) **$199.95**
AUC131 Black Toner LJ Series II, IID, III & IIID (EP-S) **$119.95**
AUC132 Microfine Toner LJ 4,4M ,4Plus & 4MPlus (EP-E) **$179.95**
AUC133 Microfine Toner for 4V/4MV **$239.95**
AUC134 Microfine Toner for LJ 5Si & 5Si MX **$299.95**
AUC135 Toner Colour LaserJet, 5 & 5M Black **$12.95**
AUC136 Toner Colour LaserJet, 5 & 5M Cyan **$59.95**
AUC137 Toner Colour LaserJet, 5 & 5M Magenta **$59.95**
AUC138 Toner Colour LaserJet, 5 & 5M Yellow **$59.95**
AUC139 HP Coating Pad Colour LaserJet 5 & 5MV **$69.95**
AUC130 Black DVLPR, Colour LaserJet 5 & 5MV **$269.95**
AUC131 Colour DVLPR, Colour LaserJet 5 & 5MV **$749.95**
AUC132 Print Drum for Colour LaserJet 5 & 5MV **$499.95**
AUC133 Transfer Assemb Colour LaserJet 5 & 5MV **$249.95**
AUC134 FuserUnit for Colour LaserJet 5 & 5MV **$249.95**
AUC135 HP Toner Collection Kit Colour LaserJet 5 & 5MV **$39.95**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an international company we have won more awards for products and services than any software mail-order company.

INTERNATIONAL SOFTWARE WAREHOUSE

Freephone Orderline 1 800 150 084 Order by Fax 02 9700 8801
Enquiries 02 9700 8800 Internet site software-warehouse.com.au
13 Bradford Estate, 10 Bradford Street, Alexandria, Sydney NSW 2015

PRINTERS

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

EPSON Stylus Color 400

Stunning Quality, Every Time!

NEW PRODUCT

The Epson Stylus Color 400 is is a high quality inkjet printer providing 720 x 720 dpi photo-real output with the addition of some new and exciting enhancements. It is the ideal printer to provide superb 720 dpi results for the home user for both business and personal documents, on all types of paper including plain.

FEATURES

- Up to 720 x 720 dpi high resolution printing in black and white and colour - even on plain paper
- Fast print speeds up to 4ppm* in Monochrome and 3ppm* in colour
- Photo quality output as standard - no additional option required
- Easy-to use printer driver with EPSON answers On-Line manual CD-ROM
- Exclusively for Windows™ only, using EPSON printer driver technology
- The new standard in personal printing performance for home, home office and small business.
- Perfect for greetings cards, calendars, letterheads, reports, presentations, resumes, images and correspondance

NB * The page per minute print speeds are a guide only. Actual print speed may vary under different conditions

EPS134 Epson Stylus Color 400..... **$405**

EPSON Stylus Color 600

1440dpi photo real output

NEW PRODUCT

The Epson Stylus Color 600 is a high quality inkjet printer providing 1440dpi photo-real output, ideal for in-house desktop publishing and business and personal documents on all types of paper, including plain. The Stylus Color 600 features Epson's new Perfect Picture Imaging System™, including MicroPiezo Technology™ for small accurate inkdots and AcuPhoto Halftoning Technology™ for accurate colours and smooth graduation. The printer is fully compliant with Windows 95 ICM and Macintosh.

FEATURES

- Up to 4ppm* colour, 6ppm* mono printing
- Photo quality printing up to 1440 x 720dpi
- Superb plain paper printing up to 720 x 720 dpi
- Windows & Mac compatible
- Advanced Dual Ink cartridge system with Quick-Dry ink
- Super MicroDot™ technology produces smaller, precise dots for sharp edges and smooth reproduction of photo images.
- Windows 95 ICM and ColorSync. 2.0 compliance
- The best all-round, high resolution personal printer for home office and small business
- Ideal for presentations, photo image reproduction, reports, flyers, newsletters, letterheads and correspondance

NB * The page per minute print speeds are a guide only. Actual print speed may vary under different conditions

EPS135 Epson Stylus Color 600..... **$499**

EPSON Stylus Color 800

Ultra Fast Colour & Mono Printers

NEW PRODUCT

The Epson Stylus Color 800 provides the business user with high-speed colour or mono printing, taking advantage of its high speed colour printing it is designed for multi-platform compatibility and networking. The Epson Stylus Color 800 features Epson's new Perfect Picture Imaging System™, including MicroPiezo Technology™ and AcuPhoto Halftoning Technology™.

FEATURES

- Up to 8ppm* mono, 7ppm* colour printing
- Photo quality printing up to 1440 x 720dpi
- Superb plain paper printing up to 720 x 720 dpi
- Optional Postscript & Network compatibility
- High capacity dual ink cartridge system with quick-dry ink
- Super MicroDot™ technology produces smaller, precise dots for sharp edges and smooth reproduction of photo images.
- Windows & Mac compatible
- The high performance, photo quality printer for business and graphics professionals

NB * The page per minute print speeds are a guide only. Actual print speed may vary under different conditions

EPS136 Epson Stylus Color 800..... **$729**

Index

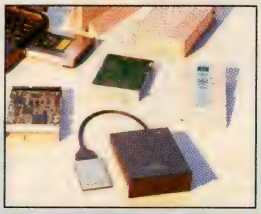
Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Magneto Optical

An Optical technology that is more reliable and cost effective than magnetic removable storage

FUJITSU

Magneto Optical, or MO as it is more affectionately known, is like owning a 21 speed, infinitely re-writable CD Rom, with a disk that fits into your top pocket.
MO has all the benefits of other removable media storage devices but is far more reliable because it's an Optical technology, not magnetic. MO is a genuine ISO standard and has grown form 128MB to the current 640MB, and has a road map to beyond 4GB, so your investment is future proof. MO is unaffected by magnetic fields (PC speakers, mobile phones), dust, moisture (even a coffee spill can be cleaned off without loss of data), and scratch proof (the optical disk is protected in it's own cover).Your data is stored optically on an MO disk, so it will be there for many decades if necessary and only cost around 12 cents per megabyte.



Comparison Table

	CD/R	Syquest	Zip	Jazz	MO
Rewritable	✗	✓	✓	✓	✓
Drop & Scratch proof	✗	✗	✓	✗	✓
ISO Standard	✓	✗	✗	✗	✓
Archive	✓	✗	✗	✗	✓
High Speed	✗	✓	✗	✓	✓
Cents Per MB	3.3c	47c	40c	21c	12.3c

AUP304 230MB MO Disks **$29**
AUP305 640MB MO Disks..... **$79**
AUP164 MO Drive 640MB Internal 3.5 (SCSI) **$779**
AUP165 MO Drive 640MB Internal 3.5 (includes SCSI controller Card) **$899**
AUP300 MO Drive 640MB External (SCSI) **$949**
AUP166 MO Drive 230MB Internal 3.5 (EIDE) 17mm (includes Bezel to suit Desktop PC) **$549**
AUP301 MO Drive 230MB External (Parallel) **$739**
AUP302 MO Drive 230MB External (SCSI with controller) **$941**
AUP306 MO Drive 230MB External (PCMCIA) **$749**

Quality PrintPartner Printers from Fujitsu

Quick, environment friendly and quality printing instantly!

Print for under 3c a copy

With high performance, environment, user friendly and with a resolution of 1200,what more could you ask for from these superb printers from Fujitsu!
The printers use laser/electro-photography with high speed printing of either 10ppm or 14ppm depending on which performance you require. Includes scalable fonts, GL/2 graphic languages PJL control an amazing 1200 dpi class resolution (true 600 dpi print resolution + Advanced FEIT) plus optional Localtalk and Ethernet interfaces for networking environments to make the PrintPartner a network printer.
All of PrintPartner's plastic parts of more than 50 grams are marked for recycling and uses less toner wastage. The printer is also user friendly with an easy set up print menu program and operation panel that makes using the printer simple to use and install!

* Second tray Optional (not included in base price)

FUJITSU

Features of PrintPartner 10 & 14

NEW PRODUCT

- 10 pages per minute A4 (or 14 pages per minute A4)
- Automatic feed: A4 or Letter
- Manual feed: A4, Letter, Executive, Envelope, Labels,Transparency.
- Duty cycle of up to 20,000 pages per month
- On PrintPartner 10 Resident RAM 2MB (expandable to 34MB)
- On PrintPartner 14 Resident RAM 3MB (expandable to 35MB)
- Print resolution 600 x 600 dpi + Advanced FEIT
- Paper tray with 250 sheets capacity (0.09mm thickness)

AUP158 Fujitsu PrintPartner 10 ..... **$1169**
AUP159 Fujitsu PrintPartner 14 ..... **$1809**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline **1 800 150 084**
Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Quantum™

High Speed 3.5" Hard Drives

TP Code	Model	Name	Wty Yrs	MB(F)	Avg Seek (msec)	RPM	Max. Data Transfer m/s	Interface	Height	Price
QUA059	QM31280TM-A	Fireball TM 1.28GB AT	3	1282	12	4,500	16.6	Fast ATA-2	25.4mm	$349
QUA060	Pack of 20	Fireball TM 1.28GB At	3	1282	12	4,500	16.6	Fast ATA-2	25.4mm	$6659
QUA061	QM31280TM-S	Fireball TM 1.28GB SCSI	3	1282	12	4,500	15.6	Ultra SCSI-3	25.4mm	$469
QUA062	Pack of 20	Fireball TM 1.28GB SCSI	3	1282	12	4,500	16.6	Ultra SCSI-3	25.4mm	$9399
QUA063	QM32160TM-A	Fireball TM 2.1GB AT	3	2168	10.5	4,500	16.6	Fast ATA-2	25.4mm	$449
QUA064	Pack of 20	Fireball TM 2.1GB AT	3	2168	10.5	4,500	16.6	Fast ATA-2	25.4mm	$8699
QUA065	QM32160TM-S	Fireball TM 2.1GB SCSI	3	2168	10.5	4,500	16.6	Ultra SCSI-3	25.4mm	$549
QUA066	Pack of 20	Fireball TM 2.1GB SCSI	3	2168	10.5	4,500	16.6	Ultra SCSI-3	25.4mm	$10799
QUA067	QM33200TM-A	Fireball TM 3.2GB AT	3	3254	10.5	4,500	16.6	Fast ATA-2	25.4mm	$479
QUA068	Pack of 20	Fireball TM 3.2GB AT	3	3254	10.5	4,500	16.6	Fast ATA-2	25.4mm	$9699
QUA069	QM33200TM-S	Fireball TM 3.2GB SCSI	3	3254	10.5	4,500	16.6	Ultra SCSI-3	25.4mm	$699
QUA070	Pack of 20	Fireball TM 3.2GB SCSI	3	3254	10.5	4,500	16.6	Ultra SCSI-3	25.4mm	$13799
QUA071	QM33840TM-A	Fireball TM 3.8GB AT	3	3860	10.5	4,500	16.6	Fast ATA-2	25.4mm	$599
QUA072	Pack of 20	Fireball TM 3.8GB AT	3	3860	10.5	4,500	16.6	Fast ATA-2	25.4mm	$11499

High Speed 5.25" Hard Drives

QUA033	QM51280BF-A	Bigfoot 1280 AT	3	1286	15	3,600	16.6	Fast ATA-2	19.05mm	$299
QUA073	Pack of 10	Bigfoot 1280 AT	3	1286	15	3,600	16.6	Fast ATA-2	19.05mm	$2899
QUA056	QM52550BF-A	Bigfoot 2550 AT	3	2577	15	3,600	16.6	Fast ATA-2	19.05mm	$399
QUA074	Pack of 10	Bigfoot 2550 AT	3	2577	15	3,600	16.6	Fast ATA-2	19.05mm	$3799

Drives for High-end Servers, Workstations and Disk Arrays - 3.5"

QUA075	QM34550AL-S	Atlas II 4550 SCSI 8 BIT	5	4550	8	7,200	20	Ultra SCSI-3	25.4mm	$1999
QUA076	QM39100AL-S	Atlas II 9100 SCSI 8 BIT	5	9100	8	7,200	20	Ultra SCSI-3	41.4mm	$2699
QUA077	Pack of 10	Atlas II 9100 SCSI 8 BIT	5	9100	8	7,200	20	Ultra SCSI-3	41.4mm	$27499

Seagate Hard drives!

AUSTRALIA'S LOWEST PRICES!

Increase your storage capacity NOW!

TP Code	Model	Name Yrs	Wty	MB(F)	Seek	RPM	I/F mm	H	$
AUP121	ST3630A	Medalist xe	3	631	14	3811	A	25.4	$249
AUP122	pack of 20	Medalist xe	3	631	14	3811	A	25.4	$4,869
SEA012	ST3850A	Medalist xe	3	1200	14	3811	A	25.4	$330
AUP123	pack of 20	Medalist xe	3	850	14	3811	A	25.4	$4,599
AUP124	ST31720A	Medalist **	3	1275	12.5	4500	A	25.4	$329
AUP125	pack of 20	Medalist **	3	1275	12.5	4500	A	25.4	$6,119
AUP126	ST31720A	Medalist	3	1720	12	4500	A	25.4	$389
AUP127	pack of 20	Medalist	3	1720	12	4500	A	25.4	$7,169
SEA024	ST32132A	Medalist	3	2160	12.5	4500	A	25.4	$449
AUP128	pack of 20	Medalist	3	2160	12.5	4500	A	25.4	$8,469
SEA039	ST525720A	Medalist Pro	3	2560	11	5400	A	26.1	$479
AUP129	pack of 20	Medalist Pro	3	2560	11	5400	A	26.1	$8,999
AUP130	ST9810A	Marathon	3	810	14	4500	A	19	$389
AUP131	pack of 20	Marathon	3	810	14	4500	A	19	$7,449
AUP132	ST9840AG	Marathon SL	3	840	14	4500	A	12.7	$429
AUP133	pack of 20	Marathon SL	3	840	14	4500	A	12.7	$8,119
AUP134	ST91350AG	Marathon SL	3	1350	14	4500	A	12.7	$539
AUP135	pack of 20	Marathon SL	3	1350	14	4500	A	12.7	$10,299
AUP136	ST92255AG	Marathon	3	2250	14	4500	A	19	$789
AUP137	pack of 20	Marathon	3	2250	14	4500	A	19	$14,999

TP Code	Model	Name Yrs	Wty	MB(F)	Seek	RPM	I/F mm	H	$
SEA034	ST31051N	Hawk 2XL	3	1080	10.5	5411	N	25	$549
AUP139	pack of 10	Hawk 2XL	3	1080	10.5	5411	N	25	$5,219
SEA032	ST32151N	Hawk 2XL	5	2149	10.5	5411	N	25	$739
AUP141	pack of 10	Hawk 2XL	5	2149	10.5	5411	N	25	$6,999
AUP142	ST32151W	Hawk 2XL	5	2149	10.5	5411	W	25	$959
AUP143	pack of 10	Hawk 2XL	5	2149	10.5	5411	W	25	$8,999
SEA033	ST32155N	Hawk 2XL	5	2149	10.5	5411	UN	25	$849
AUP145	pack of 10	Hawk 2XL	5	2149	10.5	5411	UN	25	$7,999
AUP146	ST32155W	Hawk 2XL	5	2149	10.5	5411	UW	25	$959
AUP147	pack of 10	Hawk 2XL	5	2149	10.5	5411	UW	25	$8,999
AUP148	ST32171N	B'cuda 4LP	5	2150	9	7200	UN	25	$1,389
AUP149	pack of 10	B'cuda 4LP	5	2150	9	7200	UN	25	$12,999
AUP150	ST34371N	B'cuda 4LP	5	4350	9	7200	UN	25	$1,999
AUP151	pack of 10	B'cuda 4LP	5	4350	9	7200	UN	25	$19,799
AUP152	ST34371W	B'cuda 4LP	5	4350	9	7200	UW	25	$2,189
AUP153	pack of 10	B'cuda 4LP	5	4350	9	7200	UW	25	$20,899
AUP138	ST410800N	Elite 9	5	9090	12	7200	UN	82	$3,739
AUP155	pack of 3	Elite 9	5	9090	12	7200	UN	82	$10,399
AUP140	ST19171N	B'cuda 9	5	9100	9.5	7200	UW	41	$3,949
AUP141	pack of 10	B'cuda 9	5	9100	9.5	7200	UN	41	$37,779
SEA038	ST19171W	B'cuda 9	5	9100	9.5	7200	UW	41	$3,999

"Seagate and Seagate logo and Elite are registered trademarks of Seagate Technology Inc. All others are trademarks of their respected companies."

Key to Abbreviations and symbols

A	=	ATA (IDE)	UW	=	Ultra SCSI, 16bit
FC	=	Fibre Channel	G	=	Saferite
N	=	SCSI, 8bit	B'Cuda	=	Barracuda
UN	=	Ultra SCSI, 8bit	H	=	Height
W	=	SCSI 16bit	I/F	=	Interface

Seagate

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- We will beat any advertised price on any identical product. Subject to terms & conditions P2. **Price Pledge**
- With every order choose a free gift from the selection on page 2. **Free Gift**
- Overnight delivery on 90% of orders **Fast Delivery**
- We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2. **Free Delivery!**
- We can deliver to any location in Australia, quickly. Whatever it takes, we deliver. **Nationwide Delivery**
- Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time. **Massive Stocks**
- We always service the individual buyer, small business and large corporation to the same high standard. **All Welcome!**
- As an international company we have won more awards for products and services than any software mail-order company. **No.1 Service**

Freephone Orderline 1 800 150 084 Order by fax 02 9700 8801
Enquiries 02 9700 8800 Internet site software-warehouse.com.au
13 Bradford Estate
10 Bradford Street
Alexandria
Sydney NSW 2015

STORAGE

INTERNATIONAL SOFTWARE WAREHOUSE Pty. Ltd.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

ZIP — An affordable personal storage solution in one!

Expand your hard drive without the limits
Increase your storage quickly, easily and economically - as you need it. With 100Mb Zip Disks, you can add as many disks as you need and if you're using compression software, you can keep up to 200MB of your stuff on a single Zip drive.

The newest smallest, most portable drive. The best way to move your information - Zip drive and disks are small, light and convenient. Zip drive weighs about 450g and fits easily in your hand,bag or briefcase.

- **Expand your hard drive without the limits** (100MB at a time)
- **Take it with you** (Zip drive and disks are portable)
- **Backup your hard drive** (fast and easy)

IOM022 **Zip Drive External (parallel port)** **$299**

IOM020 **Zip Drive External (SCSI port)** **$299**

AUP157 **Zip Drive Internal 3:5 (Includes SCSI Controller Card)** **$299**

JAZ — Jaz is the perfect choice for hard drive upgrades!

An ideal answer for multimedia
Jaz drives and disks are the ideal solution for storing, transporting and playing multimedia applications. You can pack up to 1 gigabyte on each disk, and there is no limit to the number of disks you can use. The jaz drive's speedy access times and rapid transfer rate mean you can quickly and easily move files around.
And the Jaz drive can handle even the most demanding usages, including full-screen full motion video.

- **Faster than most hard drives** (Works as fast as you do)
- **Provides 1GB of disk space on each compact cartridge** (Enough to back up your entire hard drive)
- **Portable- goes where you go** (makes transporting information easier)

IOM023 **JAZ drive (SCSI External)** **$799**

IOM021 **JAZ drive (SCSI Internal)** **$685**

ZIP & JAZ

AUP160 **3x ZIP 100Mb PC Disks** **$79**

IOM030 **10x ZIP 100Mb PC Disks** **$249**

AUP161 **3x ZIP 100Mb Mac Disks** **$199**

IOM032 **3x JAZ Media PC Disks** **$449**

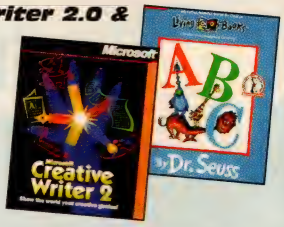
AUP162 **3x JAZ Media Mac Disks** **$449**

AUP163 **JAZ Traveller** (Transfers data from a Mac to a PC) **$69**

Fantastic Value Packs from Dataflow

Read & Write Pack

Includes MS Creative Writer 2.0 & Dr Seuss ABC



Creative Writer 2.0
Show the world your creative genius with this desktop publisher for kids that's packed with writing and drawing tools. Create your own stories, newsletters, festive cards and illustrated book reports. Send your creations over e-mail or turn them into Web pages and post them online.

Dr Seuss ABC
Only Dr Seuss and Living books could make the alphabet so unpredictably entertaining! More than 400 alphabetically inspired surprises hidden within 26 pages show children that learning words and letters can be fun and even silly! Izzy and Ichabod guide young children through this action-packed title featuring Seuss's distinctive brand of humour, rhyme and illustration.

AUS230 **Read & Write Pack** **$69.95**

Challenge Pack

Includes Music Central 97 & You Don't Know Jack

Music Central 97
Expand your musical horizons! Music Central 97 combines a diversity of music styles and artists into one extensive multimedia source. Monthly updates with current news and reviews via Music Central Online, suggestions for new music choices to complement your favourites, details on over 80 000 albums and more!

You Don't Know Jack
Turn your PC into a party! The only multiplayer CD-ROM game where you are a contestant competing on a challenging and hilarious pop-culture quiz show. There are 40 games, totalling 20 hours of non-repetitive game playing, with witty, brain twisting questions ranging from 'Hamlet' to 'Scooby Doo'.

AUS231 **Challenge Pack** **$59.95**

Mystery Reference Pack

Includes MS Encarta 97 Encyclopedia & Myst with Strategy Guide

Encarta 97 Encyclopedia
Everything a multimedia encyclopedia should be. An up-to-date and comprehensive source of reference information for the whole family. Expanded content for 1997.

Myst with Strategy Guide
This long-time super-favourite adventure game is now even better value with a free Strategy Guide to help you through the complex plot, turns and twisting intrigue. Journey to the island where every vibrant rock, scrap of paper and sound may hold vital clues to the chilling, surreal tale of mystery and injustice.

AUS232 **Mystery Reference Pack** **$99.95**

Test Your Knowledge Pack

Includes MS Cinemania 97 & Trivial Pursuit

Cinemania 97
Microsoft Cinemania 97 has the latest reviews from well-know critics, combined with celebrity tours, famous movie and audio clips, and FREE monthly online updates through September 1997 to keep your information current.

Trivial Pursuit
Which trivia game makes computers come alive with thousands of pictures, film clips, voices and sound effects? The world's most popular trivia game - Trivial Pursuit, now on CD-ROM!

AUS233 **Test Your Knowledge Pack** **$69.00**

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

Call the Freephone Orderline 1 800 150 084
Sales Lines Open 9am til 6pm Monday to Friday

IF YOU CAN FIND IT CHEAPER CALL US - WE WON'T BE BEATEN!* *See page 2 for Price Pledge

Home Interactive Entertainment from Hilliard

Art & Music

The Perfect addition to any home library. Learn about the cultural spirit of four historical eras in Western Civilisation.

Great Family Fun

AUS243 Art & Music $69.95

Hind

Giveaway Limited Edition Exclusive Multimedia Presentation

Fly the most formidable frontline helicopter gunship in the Soviet military machine. Uglier than a hunchback from Hell and meaner than Yeltsin with a hangover.

AUS238 Hind..... $69.95
AUS239 Platinum 3D Action..... $69.95

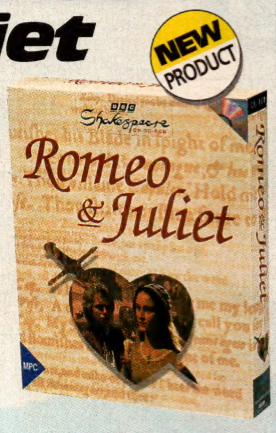
Swiv

18 action packed Levels

Take control of a helicopter, four wheel drive armoured buggy and negotiate your way through 18 action packed levels over four totally different landscape environments.

AUS237 Swiv $69.95

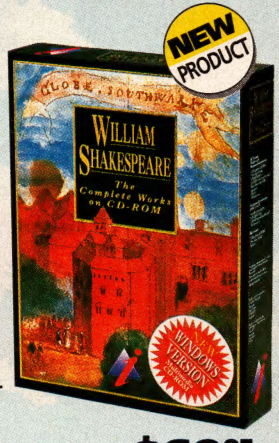
Romeo & Juliet



Dramatically enhance your understanding of this Shakespeare classic as you watch, read and listen in an interactive theatre.

AUS240 Romeo & Juliet $69.95

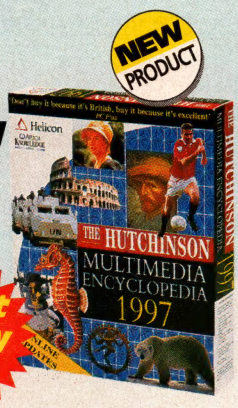
Shakespeare



Acclaimed scholarship coupled with the latest in interactive technology brings shakespeare to life in this great CD-ROM. Explore his genius and have the world's finest plays revealed and explained.

AUS242 William Shakespeare .. $69.95

Hutchinson Multimedia Encyclopedia



The most powerful reference and multimedia tool available. Over 39,000 articles, 1,500 bibliographies, 400 tables and chronologies with more than 20 guided tours of core subjects and chronologies combine to bring you an excellent research tool.

Great Family Fun

AUS241 Hutchinson Multimedia Encyclopedia $69.95

Home Medical Advisor

This amazing medical reference uses over two hours of full motion video and 2000 photographic images to create a virtual doctor. He talks analysis symptons and provides you rapid answers to health questions 24 hours a day.

AUS244 Home Medical Advisor $89.95

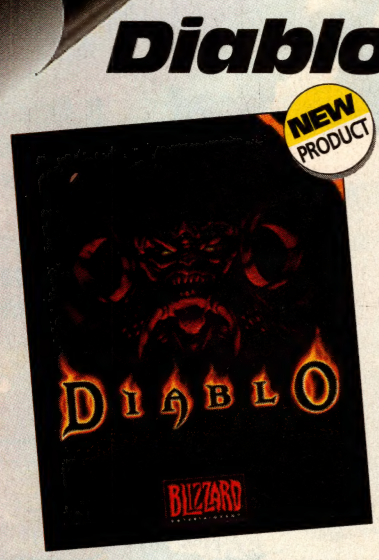
All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

8 Reasons why 1,000's of buyers choose Software Warehouse every month!

- **Price Pledge** — We will beat any advertised price on any identical product. Subject to terms & conditions P2.
- **Free Gift** — With every order choose a free gift from the selection on page 2.
- **Fast Delivery** — Overnight delivery on 90% of orders
- **Free Delivery!** — We do not charge for delivery on orders over $200, providing they weigh less than 3Kg. For other deliveries see chart on page 2.
- **Nationwide Delivery** — We can deliver to any location in Australia, quickly. Whatever it takes, we deliver.
- **Massive Stocks** — Our aim is to fulfil 95% of orders from stock. Our financial stability enables us to hold more than 10,000 items in stock at any one time.
- **All Welcome!** — We always service the individual buyer, small business and large corporation to the same high standard.
- **No.1 Service** — As an International company we have won more awards for products and services than any software mail-order company.

EVERYTHING FOR YOUR PC - DELIVERED NATIONWIDE!

Diablo



Embark if you dare...

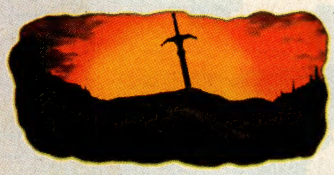
...on a sinister quest that will pull you into the depths of hell itself... and beyond!

From the makers of Warcraft II, a dark gothic underworld brought to life with stunning graphics.

The kingdom of Khandaras has fallen into chaos.

An unknown force of evil has swept across the land, plunging it into civil war and terrorising the populace.

A mad king, his missing son and a mysterious Archbishop are all pieces to the puzzle that faces you. You have journeyed to the source of the evil, the town of Tristram, now inhabited by only a handful of survivors. The cathedral there is built over the ruins of an ancient monastery, and now eerie lights and sounds are heard echoing through its abandoned halls. Perhaps the answer lies within the remains of a forgotten past.



STOCKCODE: AUS050

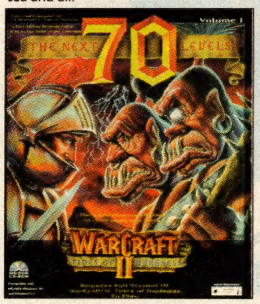
$69

Warcraft Battle Chest

Return to the world of Warcraft where battle between Orcs and humans rages on!

This limited edition CD-ROM set includes both MS-DSO and Macintosh versions of all three games.

Play as either the noble humans or the brutish Orcs as you experience the epic saga of Azeroth, from the Orcs' initial invasion to the human's quest to forever seal the Dark Portal between the two worlds. Along the way you'll need to carefully manage your limited resources as you train fantastic troops, research powerful magics and construct buildings and ships to carry the battle over land, sea and air.



Warcraft II

Prepare for combat with 70 new, custom-designed battlegrounds to play with. Warcraft II, the best-selling fantasy strategy game. The Next 70 Levels gives you more action and and advanced game play features:

- Allows 2 to 8 plyers via network
- Allows head-to-head play via modem or cable connection by installing multiple registered copies.
- Tactical combat on land, sea and air.

NEW PRODUCT

DAT100 Warcraft II Next 70 Levels Companion Set CD **$39.95**

AUS051 Warcraft Craft Battle Chest CD..... **$125**

Monopoly

NEW PRODUCT

The world's most popular game is now brought to you on CD-ROM!

For the first time in over 60 years players can view the properties they wish to buy, and watch the tokens hop, skip and dance across the board. Up to 6 players can take part, or choose to compete against computer players.

You can even take on players all around the world via the Internet!

AUS124 Monopoly..... **$59**

After Dark 4.0

NEW VERSION

20 All-new wild screen savers!

After Dark 4.0 includes over 20 all-new mind-blowing animated displays with 3-D art, original sound and music, and dozens of customizable options. There's never been a better way to save your screen.

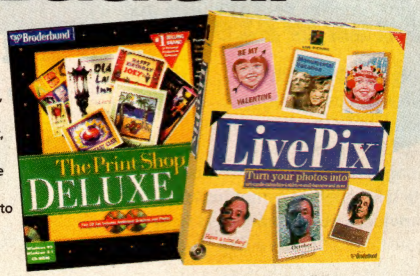
20 All-new Screen Savers!

AFT007 After Dark 4.0 .... **$39**

Live Pix & Print Shop Deluxe III

Live Pix

Take your digital photos and Live Pix can read them, amazing tools let you enhance, resize, rework, rotate, flip, shadow, feather, colour correct, even add text, star or heart shapes and lots more, you have enhanced all the photos for your masterpiece you're ready to paste it all together.



AUS234 Live Pix & Print Shop Deluxe **$99.95**

We sell titles from the best education publishers including Borderbund, Davidson, The Learning Company, Edmark and The Living Books to name a few.

Why don't you call and ask where is Carman? or who is Oscar Lake why not join Reader Rabbit and his friends as he develops his reading thinking skills or join the fun of learning Maths with Mega Maths Blaster and Carnival Countdown. We also carry the Living Books.

Index

Category	Page
Introduction	2
Product Listing	3
SOFTWARE	
Business	4-18
Graphics	19-27
Utilities	28-41
Leisure	62-64
PERIPHERALS	
Networking	41-45
Modems	46-48
Multimedia	49-50
Memory	51
Input	52-54
Scanners	55-58
Printers	58-60
Storage	60-62

All prices INCLUDE sales tax. Prices subject to change, see page 2 for terms & conditions.

Call the Freephone Orderline 1 800 150 084

Sales Lines Open 9am til 6pm Monday to Friday

VISA MasterCard AMERICAN EXPRESS

You've heard about it . . . now see it at PC 97

PC 97

Queensland's largest computer exhibition

Brisbane Convention & Exhibition Centre 13-15 May 1997

Admission $10 Business visitors welcome. Persons, including children, not in this category will not be admitted.

AUSTRALIA'S LEADING EXHIBITION ORGANISER

AES Australian Exhibition Services Pty Ltd Tel (03) 9261 4500 Fax (03) 9261 4545
AES web address: http://www.ausexhibit.com.au AES e-mail address: Shows@ausexhibit.com.au

COCKLE 2599

Is Your Accounts Dept Bursting at the Seams?

It happens to small businesses all the time.

Your company grows but your business accounting package doesn't have the muscle to grow with it.

Well, there's a very simple solution to this very common problem.

Sybiz Vision Lite or Sybiz Vision: two multi-user accounting programmes that have been designed for small business use.

Vision Lite is ideal for business of five to twenty five people; Sybiz Vision for anything above that.

Both are easy to learn and easy to use and give you true multi-user Windows™ accounting.

Up To
100% TRADE IN
For Your Old Accounting Software*

Which means, when you grow they grow.

For a FREE information kit and the name of your nearest Authorised Sybiz reseller, contact your Sybiz Support Centre.

SYBIZ

* Limited offer valid to 30.6.97. Conditions apply. Trade in subject to approval. CREAM 9648

FAX: (02) 9954 5240

Tel: NSW /ACT (02) 9954 5211 • VIC 1800 683 783 • QLD (07) 3299 1100 • SA/NT/TAS (08) 8232 0600 • WA (09) 227 8977